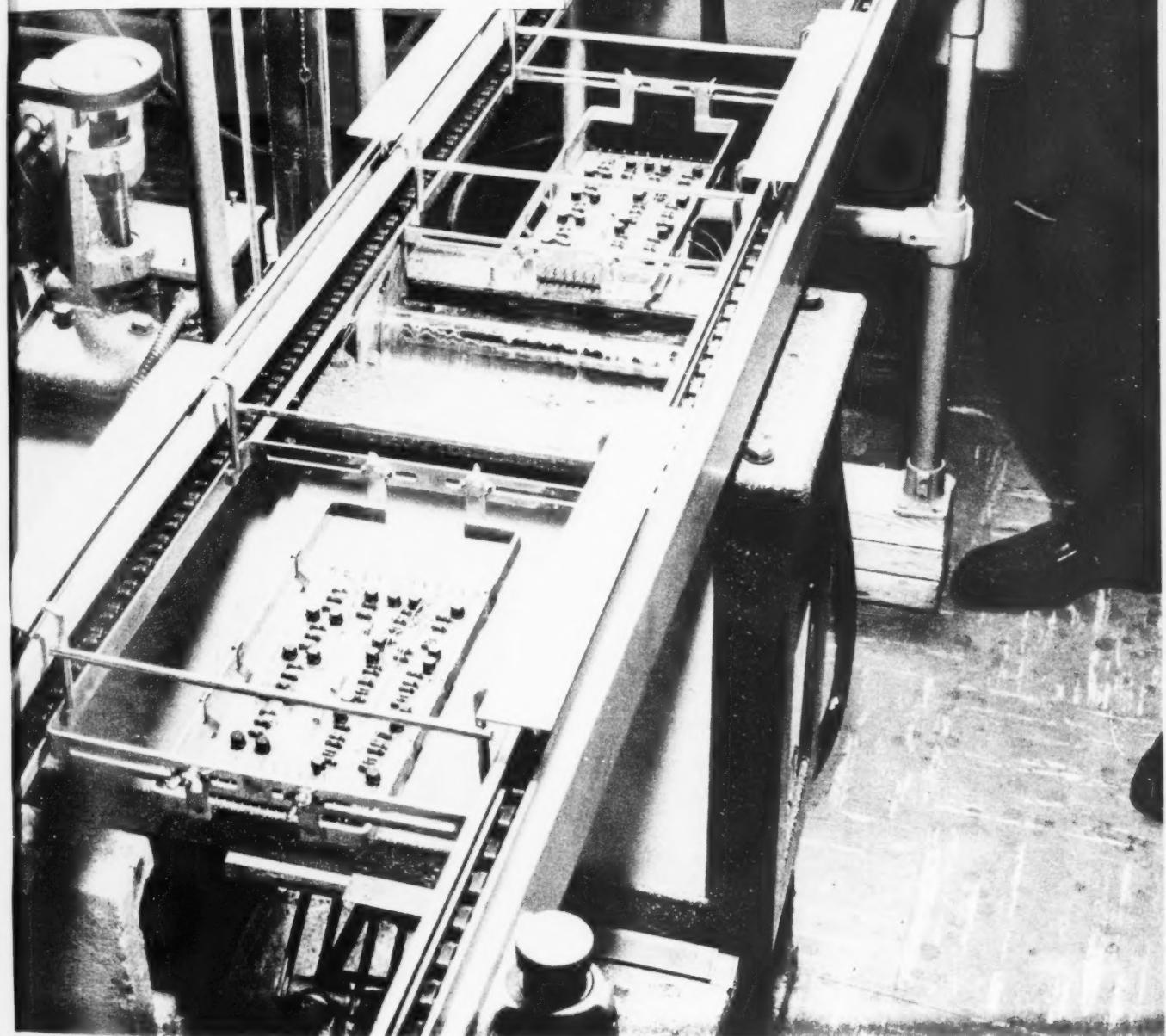


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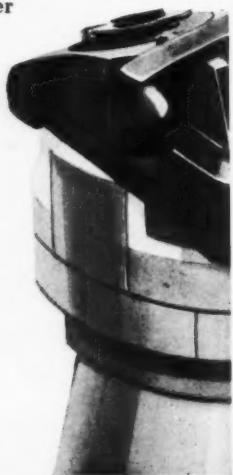
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CONNECTICUT INDUSTRY

OCTOBER • 1960

VOLUME 38 NUMBER 10



THIS MONTH'S front cover photo shows wave soldering printed circuit boards at Trak Electronics Company, Wilton.

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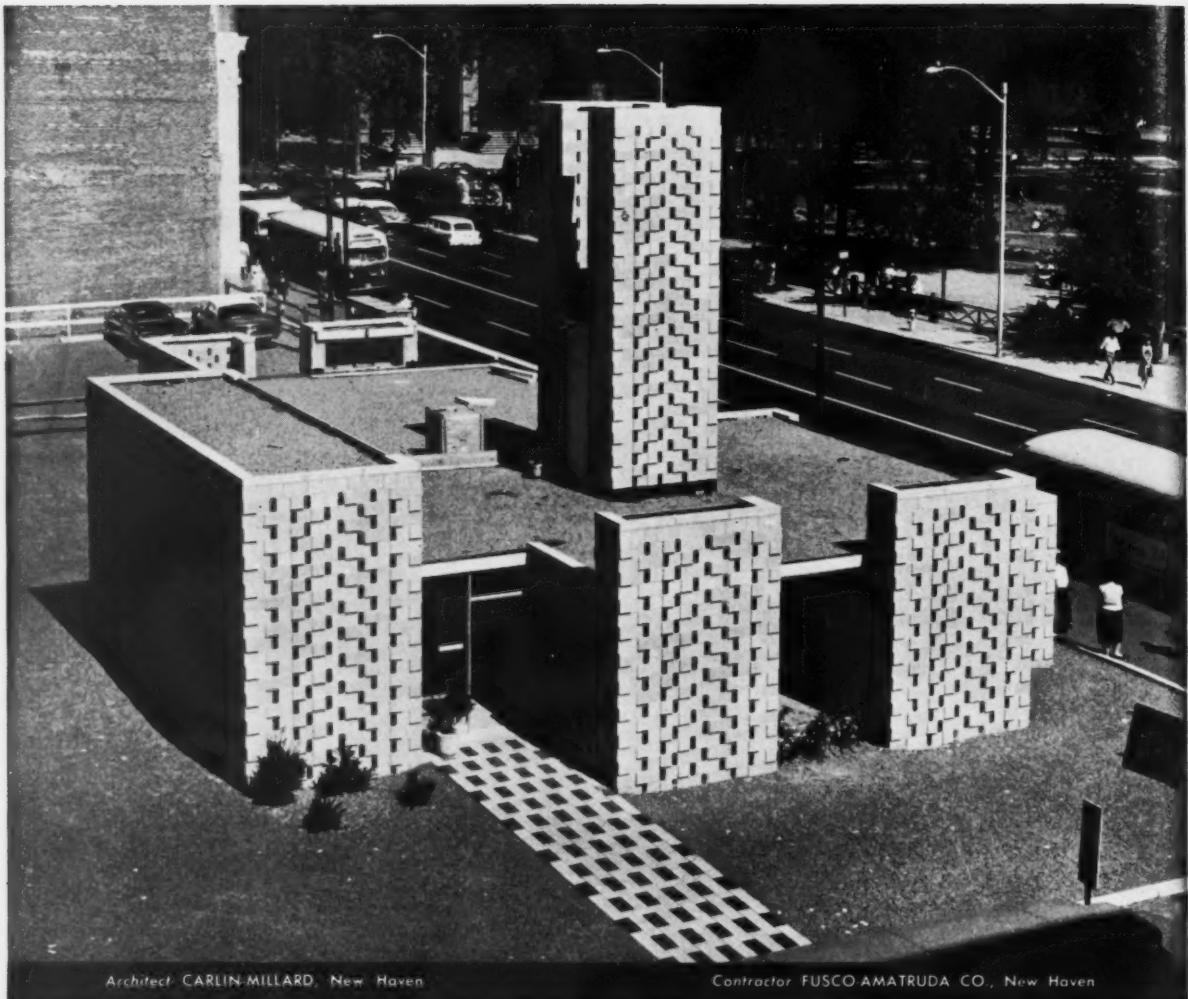
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Architect: CARLIN-MILLARD, New Haven

Contractor: FUSCO AMATRUDA CO., New Haven

Municipal Showcase--via Plasticrete Masonry Bloc

PROBLEM: Within the next few years, urban renewal will have transformed much of midtown New Haven. During the period of demolition and reconstruction, a certain amount of civic inconvenience is of course unavoidable. To clarify and dramatize the many-faceted redevelopment plan to the public, a centralized exhibit-hall was sought as convenient display for architects' models and sketches, progress reports, etc. No appropriate housing for such existed, so it had to be provided — *quickly, cheaply, and attractively*.

SOLUTION: Local suppliers of building materials and services co-operated freely with architects, building contractors and union-members in raising this unique "Progress Pavilion" at the gateway to the main project-area in the heart of New Haven. Erected largely of Plasticrete masonry units and *largely in one day*, it is serving the public as an effective guide to the whole "new New Haven" project — and incidentally, as a reminder of the adaptability and downright good-looks of modern masonry.

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On Casting an Educated Vote

♦ FEW choices made by free men are equal in importance to the selection of persons who will make or administer the laws which will affect their lives for good or evil and create the heritage for their children and generations yet unborn. No man with a conscience alert to both the short and long range consequences of his choices in the American voting booth — the most private place in the world — can escape feeling the weight of responsibility for making the right choices.

To the extent that our forebears made the right choices based upon a clear knowledge of the climate necessary to perpetuate freedom with responsibility, we have fallen heir to rich rewards in material blessings and the even more important legacy of free choice. To the extent that they and many living voters were delinquent in making the right choices, we have suffered not only material losses, but also an erosion of moral and spiritual values.

Although every election is important, a realistic appraisal of both international and domestic scenes makes the 1960 election a stand-out in importance among all elections held since 1860. In that election our fateful choice was for a leader who acted upon the conviction that "no nation can exist half slave and half free." In the 1960 election we must make our decisions on the national level against a backdrop of a world one-third enslaved by the two most brutal and rapidly expanding tyrannies in recorded history and by a tidal wave of federal bureaucracy that seriously threatens to engulf the remaining protections of our freedoms — our state and local governments.

It follows then that in our volcanic world, erupting the poison of mob disorder, treachery, murder, robbery and peace by surrender, as concocted in Moscow and Peiping, to destroy and take over all governments of the free world, we must select as our president the man best equipped by experience and demonstrated abilities to deal aggressively with the menacing international situation while giving meaningful incentives to keep our domestic economy running in high gear. We must also select tough-minded men for the Congress who will support rather than stymie his wise efforts to meet the fateful challenges of the next four years, but at the same time remain alert to block any administrative measures endangering the nation's security.

Because of their effect upon the national trend our choices at local and state levels likewise demand discerning judgment. With Connecticut moving away at a galloping pace from the pay-as-you-go status it maintained with pride for many years as an incentive for the establishment of new business and industry, and now vying with other states for the booby prize of "most heavily indebted state," it is imperative that we elect candidates conscious of the business deterrent force of mounting debt and unnecessary regulation if we would meet the challenge of providing some 85,000 new jobs that will be required within the next 15 years to employ Connecticut's expanding population.

Admittedly, we cannot be sure of making the best choices even with our best efforts and intentions. Only a term in office by candidates whom we help to elect will

prove how right or wrong our choices were. But there are many ways to inform ourselves on the issues and the men who appear to be best equipped to handle them.

Here are what we consider the best sources of information.

Newspapers are a prolific source of information about issues and the views of candidates concerning them. While newspapers are constantly accused of being biased, most reputable papers attempt to air in their news columns both sides of an argument between candidates and concerning issues even though it is frequently impossible to give comparable coverage to both sides on the same day. Whether you agree with the newspaper's point of view or not, the reading of its editorials is an important course in one's training to cast an educated vote. While the columnists usually declare for a party or candidate, they, too, can add to your store of knowledge regardless of whether or not you agree with them.

Whether or not you have the time to read a daily newspaper, the careful reading of weekly summaries and articles in such magazines as *Newsweek*, *U. S. News and World Report* and *Human Events*, is a practical "must" to sharpen your perspective.

Radio and television programs, particularly those staged on Sunday afternoon and evening, broaden every voter's knowledge of issues and candidates since he can both see and hear them.

Campaign literature, meetings, both large and small, where one can hear and question candidates, and debates and discussion meetings staged by civic, church, lodge or other organizations also help to add to a voter's knowledge.

Another important educational exercise is a close examination of the "deeds" rather than the "promises" of former office holders seeking re-election, which are to be found in the voting records of these candidates.

And finally, if one cannot locate voting records on the state and local levels, either because none are available or because the candidates have not established a voting record, a voter or a group of voters may request the candidates to answer a questionnaire which would give a strong indication of what type of legislation they favor.

With the vital decisions soon to be made affecting the personal life of every employer and employee and the future of his and every other business, his community, the state and nation, an employer does not meet his full responsibility by casting an educated vote himself. He meets it fully only after he has put forth his best efforts to see that his employees also learn the facts which will permit them to cast an educated vote. And to impress his employees, even himself, every employer could give no better last-minute suggestion to his employees than to repeat a recent wise observation by one of our leading news magazines. "Freedom," it said, "like a receding hairline, isn't lost all at once. It goes gradually. If you can spend a few minutes each day using hair tonic to save your hair, can't you spend a few minutes on election day to save your scalp?"

Pioneers in Design and Development

Modern 35,000 square foot plant built in Wilton in 1959.

■ EARLIER this year, Elton T. Barrett, president, CGS Laboratories, Inc., Wilton, Connecticut, announced that the company would carry on its operations under the name of Trak Electronics Company, Division of CGS Laboratories, Inc. The principal reasons for the change were the adoption of a name by another company similar to the CGS Laboratories' name, a desire to avoid the limitations implied by the word "Laboratories," and to facilitate promotion of the trade mark "TRAK," which has wide acceptance in the trade.

Trak Electronics Company had its beginning in 1946 in the consulting services of Carl G. Sontheimer, presently chairman of the board, operating on a personal and home-laboratory basis. Mr. Sontheimer, a graduate of the Sorbonne of Paris and Massachusetts Institute of Technology, had already exhibited his inventive abilities while managing research projects in other companies. Over twenty U.S. patents have been issued to him.

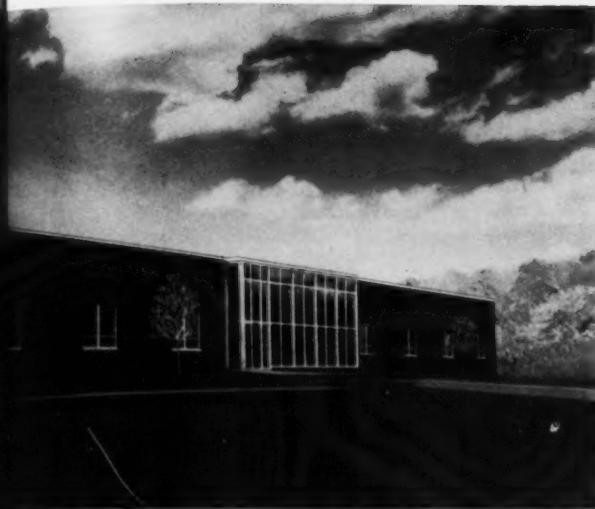
By late 1947, this consulting business had grown to such an extent that it was necessary to move into larger quarters, at which time the business was incorporated under the name CGS Laboratories, Inc. Between 1947 and 1950, research work was carried on for industrial companies by Mr. Sontheimer and the engineers he had added to his staff. During this same period he developed a miniature microwave S-band oscillator cavity. This was of such interest to the Signal Corps that the new company was given a research and development contract to make further improvements on this device. The project was successful, and thousands of these cavities are now in use in military equipment.

Assembly of a TRAK antenna switch.



Carl G. Sontheimer in a discussion about TRAK Multicoupler development.





ASSOCIATION OF OLD CROWS
HEADQUARTERS AT
TRAK ELECTRONICS COMPANY
DIVISION OF CGS LABORATORIES, INC.
WILTON, CONNECTICUT

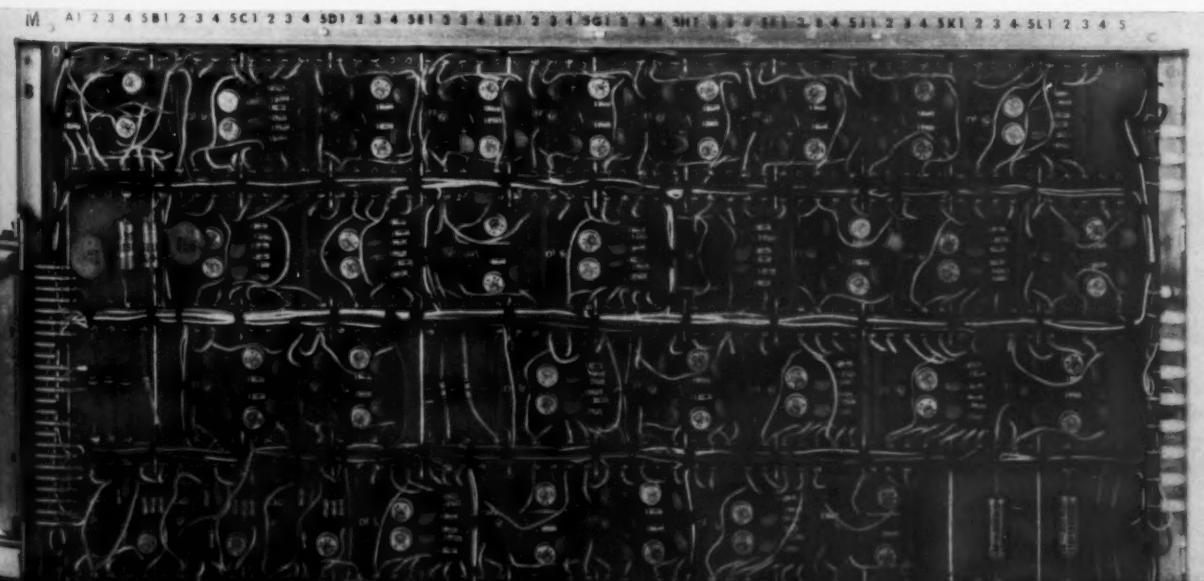
Card for members of the "Association of Old Crows."

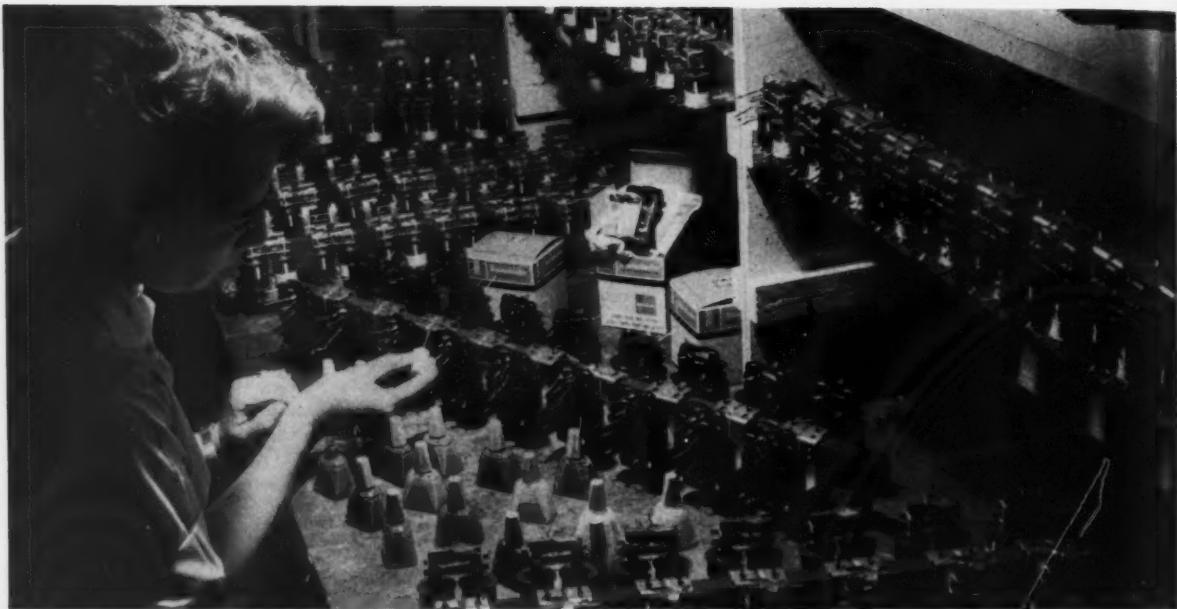


Testing a TRAK model 4 antenna Multicoupler, which connects ten receivers with one antenna.



New INCREDUCTOR Controllable Inductor, one-fourth size of previous units. (Below) One of parallel plug-in boards in code converter.





Color Coding INCREDUCTOR controllable inductors.



Impact grinding a slot in a ferrite core.



Navy personnel in training on TRAK Morse-to-Teleprinter code converter.

In 1960, the company announced a new S-band cavity that was considerably smaller than the original, which had a range of 2700-3300 megacycles. Now, TRAK builds microwave cavities anywhere in the 800-7000 Mc range.

The early period of the company also saw the underlying research which led to the development of the INCREDUCTOR Controllable Inductor. This versatile device, a basically new electronic component, emerged from the application of low-frequency electronics. By making available to the circuit designer a high-frequency inductor capable of wide and rapid inductance changes, this controllable inductor opened the door to the solution of a multitude of design problems which awaited the introduction of such a flexible component. The armed forces were quick to see the advantages of this novel inductance unit, which has no moving parts and a virtually unlimited life; a number of contracts resulted with the specific purpose of developing equipment that could make full use of the potentialities of the new inductor. The year 1951 marked the beginning of the commercial sale of the INCREDUCTOR units to the electronics industry. Its widespread acceptance has resulted in continuing expansion and refinements of the available line as well as the creation of many special purpose units.

By 1950, the company had again outgrown its quarters and moved to a plant in Stamford. Another move was necessary later and additional space was taken in a Ridgefield plant.

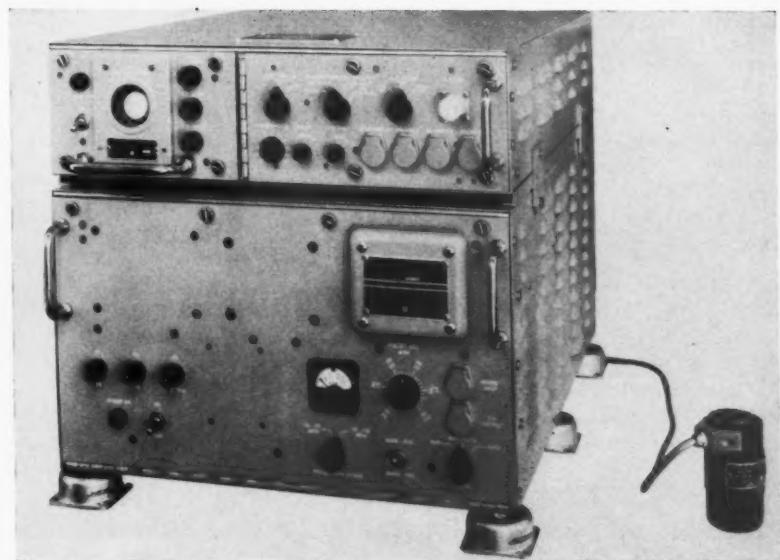
Then, the present plant was built and occupied in the fall of 1959.

TRAK has pioneered in the application of automation to the communications industry with its line of Communications & Reconnaissance products. This equipment makes substantial contributions to communications accuracy and reliability by the application of electronics to functions usually performed by human operators.

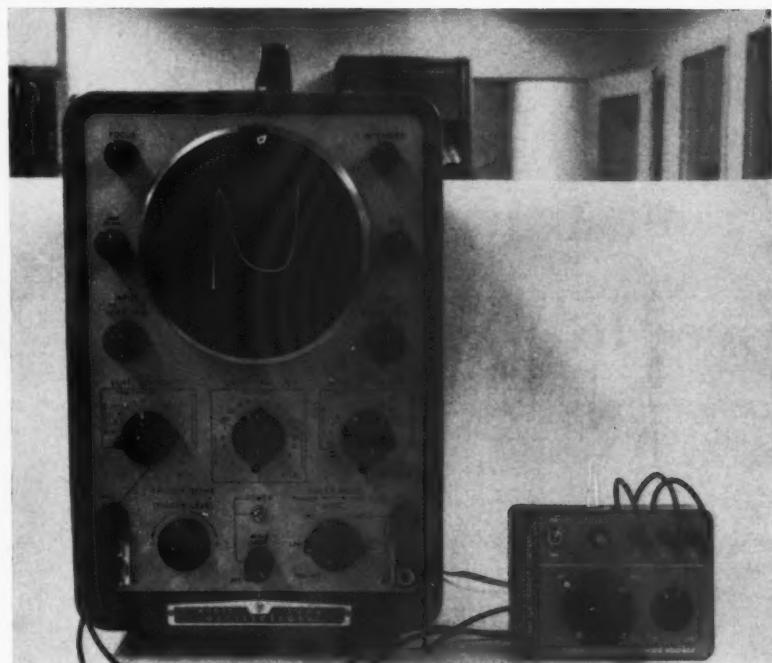
The TRAK Morse-to-Teleprinter Code Converter is a revolutionary, all-electronic computer, which converts standard Morse code transmissions into teleprinter pulse code for immediate conversion into printed page copy or for relaying via standard teleprinter facilities. The code converter compensates automatically for changes in Morse transmission speed and can handle messages at rates up to 600 words per minute, although this speed exceeds the capabilities of existing teleprinters. Earlier models of TRAK Morse-to-Teleprinter Code Converters were constructed with vacuum tubes and were therefore relatively large and required considerable operating power. During the past year, a new unit was designed using transistors. These equipments are smaller in size and require less power for operation. For instance, all components now are mounted on a series of parallel plug-in boards to simplify operations. This board occupies only 15 inches of height in a 19-inch wide relay rack, yet is capable of performing the tasks formerly delegated to a unit 77 inches high containing 92 tubes, 62 magnetic cores, and 448 neon lamps.

Other products of the Communications & Reconnaissance Department are: Antenna Multicouplers, Antenna Switches, HF Antenna Amplifier, Couplers, and Panoramic Receivers. TRAK Electronics also manufactures electronic equipments for other companies, and the new plant was planned for all types of electro-mechanical manufacturing. It is one of a limited number of contractors qualified to perform electronic countermeasures QRC (Quick Reaction Capability) Contracts for the Air Force. The unique feature of this is that it requires design and production of classified electronic equipment, in a very limited period, which can be depended upon for reliable operational use.

TRAK is the headquarters for the Association of Old Crows, which was established in the Spring of 1957 to recognize the spirit that exists among those concerned with countermeasures. The name of the group was derived from the code word "Raven," used in World War II as a synonym for countermeasures. It since has been



New all transistorized code converter.



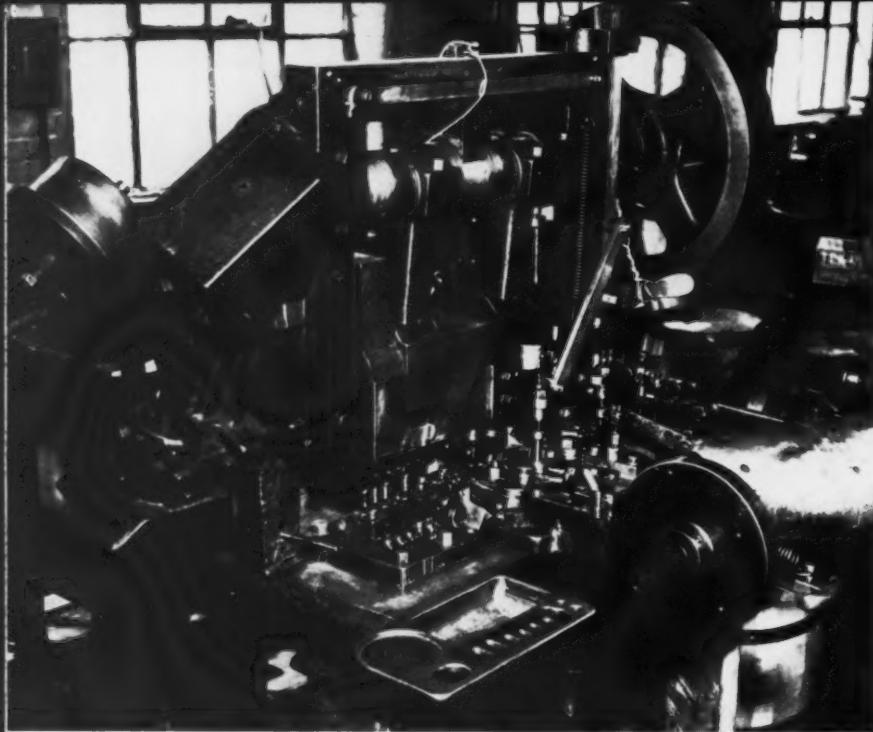
TRAK curve tracer in use with a laboratory oscilloscope for testing tunnel diodes.

modified to "Crow" by countermeasures old-timers referring to themselves as Old Crows.

Plans for the future growth of the company are centered around a program of new product development and the continuation of an efficient manufacturing organization. The company recently announced the first all-transistor antenna multicoupler—the culmination of three years of development. During the coming year the company plans to spend \$150,000 de-

veloping new products and \$50,000 on product improvement.

In addition to manufacturing its own proprietary products, the company plans to continue electronic manufacture for other companies. Such job shop work, taken on a competitive basis, provides information useful in evaluating company efficiency. This policy reflects the optimism of the management that well-directed skilled engineering in combination with efficient production facilities will lead to profits and growth.



First machine designed and built in this country for manufacture of sew-on snap fasteners, given by the American Fastener Co., Waterbury, to Smithsonian Institution. It was manufactured by the John Draher Machine Co., Waterbury.

Connecticut Machinery Goes to Washington

By SANDO BOLOGNA

■ MACHINES which helped to whirl Connecticut into world industrial leadership will be enshrined in Washington, D. C. More than 40 priceless relics have been removed from Connecticut factories and sent to the Smithsonian Institution. They will be prominently displayed in the Hall of General Manufacturing when the \$36 million History and Technology Museum is opened in 1962.

The Manufacturers Association of Connecticut assisted in the search for historic industrial items through publishing a request in the January 18th issue of its Business Round Up bulletin asking industrialists to donate their antique machines of historical value to The Smithsonian Institution. The response was enthusiastic among museum-minded executives who are proud of Connecticut's

high reputation for mechanical ingenuity and inventions. One offer of machinery came from England.

The fascinating assignment of locating and obtaining Smithsonian displays is being carried out by William C. Cleveland of Watertown. An earnest student of Connecticut industry, Mr. Cleveland was appointed in May, 1959, part-time consultant for Smithsonian's Department of Arts and Manufacturing. He was well qualified for the post, having absorbed a wealth of knowledge on machinery during 41½ years with the Scovill Mfg. Co., Waterbury. He had held many positions at Scovill's and when he retired in December, 1958, he was chief mechanical engineer.

He had learned much about museum research methods as chairman of the Industrial Museum Committee at

Waterbury's Mattatuck Historical Society. He was the guiding force in the establishment of the Industrial Museum in Waterbury in 1959 with displays from Naugatuck Valley industries, according to Rawson W. Haddon, society director.

Mr. Cleveland contacted 150 firms for ancient machinery which would highlight the story of Connecticut industry in the new museum rising on Washington's Mall. When he called at company offices, he was informed by some executives that they had learned about his mission from the Association bulletin. A few manufacturers had volunteered or set aside machinery before he arrived at their offices.

"Most of the machines for Smithsonian," says Mr. Cleveland, "have come from the Naugatuck Valley where metal fabrication methods were developed by far-sighted Americans and imported skilled operators. All were in good working condition, having been tooled and repaired by the owners. Not one manufacturer asked for payment. All machines were transported to Washington by trucks hired by Smithsonian."

"Many more machines are under consideration," he pointed out as he reviewed the list of museum-bound pieces. "Some are earmarked (for the museum) when they become surplus. Other machines are coming from Massachusetts, New York, Pennsylvania, Ohio and Missouri."

The Waterbury Buckle Co. presented to the museum one of the first four-slide wire-forming machines built in this country about 100 years ago. It was built in Waterbury by the old Manville Machine Co. and it is in working condition for production of suspender loops. A duplicate machine is in the Mattatuck Industrial Museum.

The American Fastener Co., Waterbury, donated the first automatic machine designed and built in the United States to produce snap fasteners. It was built by the Draher Machine Co., also of Waterbury, under the supervision of Max F. Kiessling, 87, who is president of American Fastener.

Another "first" from Waterbury to Washington is the first machine built for attaching buttons which is tooled for attaching eyelet buttons, given by the Patent Button Co. This firm also gave a semi-automatic and a fully automatic attaching machine for attaching "tack buttons" to work garments.

Other contributions from Waterbury were:

From Scovill Mfg. Co. — an early machine for attaching "gripper fasteners" and production tools for components and an automatic ma-

chine for attaching reinforcing "burr" to work garments. Also donated was an eyelet machine, a burnishing lathe an old drop stamp and foot press — all used for production of buttons.

From Waterbury Companies — a group of machines tooled for production of uniform buttons and two paper box-making machines, well over 100 years old.

From Waterbury Tool Co., division of Vickers, Inc., an original hydraulic speed change gear unit, the forerunner of fluid transmissions.

Torrington's contribution consisted of a power press of unusual design used by the Union Hardware Co. to produce part of an ice skate. This press was built in 1850 by Alfred Baker of Harwinton. Also from Torrington came three machines tooled to produce machine screws by heading method. They were gifts of the Progressive Mfg. Co., division of The Torrington Company, which was bought in August by Pheoll Mfg. Co., Chicago.

In Beacon Falls, the Ideal Pin Co. gave an early design automatic machine for producing safety pins.

From neighboring Ansonia, the Ansonia Mfg. Co. offered one of the earliest Davenport multiple spindle automatic screw machines used to produce machine screws by the "cutting method."

Derby's Gordon Associates presented an early machine for knitting "ribbed stockings."

Shelton Tack Co. gave an automatic machine for producing cut tacks while the Star Pin Co., also of Shelton, donated an automatic machine which made common pins for more than 100 years.

Bridgeport's industries are represented by a Brown & Sharpe single spindle automatic screw machine from Casco Products Corp., used to punch out machine screws.

New Haven Clock Co. shipped an old drop stamp and a cornice brake of wooden construction. Also from New Haven were tools and equipment for a blacksmith shop, presented by Hogson and Pettis Co.

In Southington, the Peck, Stow & Wilcox Co. offered the first metal shear built in the United States, together with four other items of machinery, over 100 years old, used for production of tinware.

Northfield Knife Co., in Northfield, submitted several equipment items which will form the basis for a museum "knife shop" of a century ago.

From Glastonbury come two soap kettles used for boiling soap more than 100 years ago. The kettles, given by J. B. Williams Co., were made of copper sheets with "lap and lock seams."



Raymond V. Havican, general foreman of the Attaching Machine Dept., Scovill Manufacturing Co., checks shipping ticket on two machines which are going to the Smithsonian Institution. At the left is an attaching machine for gripper prong and socket, in use since 1899; at right is attaching machine for reinforcing burr and rivet, in use since 1903.



William C. Cleveland, consultant for Smithsonian Institution's Department of Arts and Manufacturing, points to the smooth seams in a copper soap kettle donated by the J. B. Williams Co., Glastonbury.



Unveiling plaque dedicating new Setlow plant to Joseph Setlow, father of the president, is Mrs. Joseph Setlow, Herbert Setlow, president, left of plaque and Governor Ribicoff.

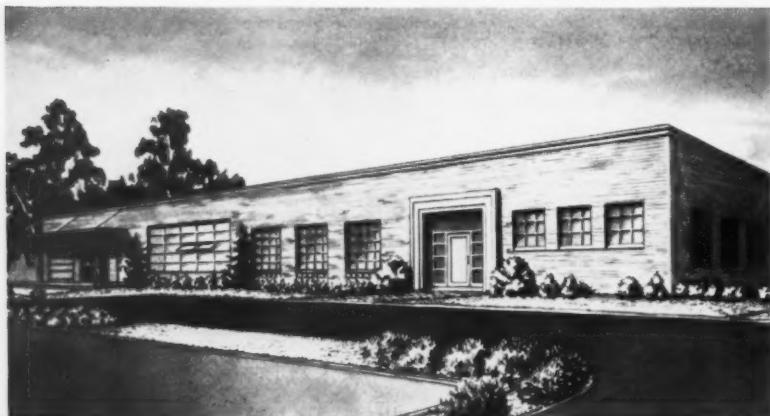
NEW SETLOW PLANT DEDICATED

■ On July 29, Gov. Abraham A. Ribicoff unveiled a plaque and dedicated the new \$200,000 M. Setlow & Son, Inc. office and industrial buildings on Indian River Road, Orange, Connecticut, one block from the Boston Post Road (U.S. Route 1) in the presence of company employees, officials of Orange and a number of distinguished guests.

The plaque honors the memory of

Joseph Setlow, a founder of the nationally known firm which specializes in the manufacture of work clothes. He was the father of Herbert D. Setlow, president of the company.

In his prepared remarks the Governor lauded the firm and its decision to remain in Connecticut after it was forced to move from its New Haven location to make way for the Wooster Square Redevelopment Program.



The \$200,000 plant of M. Setlow & Son, Inc., manufacturers of work clothes, was formally opened in July. The one-story structure covers 17,000 square feet, is completely air conditioned.

President Setlow, in a brief talk, said that "in building this modern air-conditioned building, we reversed a trend in the work clothes industry which has been moving to Southern locations.

"We have weighed the facts carefully and our willingness to place our investment in this area is an expression of our confidence in the future of Southern New England."

The ceremonies, which began at 11 a.m., were followed by a buffet luncheon and tour of the factory, which employs 85 men and women. Later the one story, 17,000 square foot building was opened to the general public between 2 and 5 p.m.

M. Setlow & Son, Inc., also operates a factory in Prosperity, S. C.

The company, one of the oldest manufacturers of work clothing in the United States, was founded in Montville, Conn., by Moses Setlow, and his son, Joseph, in 1896. They moved to New Haven the following year.

The new building was designed by Eben B. Wooley, Milford and New Jersey architect. It has off-street parking and is in keeping with the rural atmosphere of the area.

In a recent interview about the decision to relocate in Orange, only about five miles from New Haven, Mr. Setlow explained that the Wooster Square Redevelopment Program turned out to be the welcome force that "has given us the finest work clothing production facilities in the East."

He added: "Demand for Setlow work clothing has increased so that in the last three years our volume of business has doubled. Our other factory in Prosperity, S. C., has been enlarged this year to produce work pants as well as work shirts for the volume market.



Herbert D. Setlow, president of M. Setlow & Son, Inc., Orange, explains a point in the company's procedure of manufacturing to Governor Ribicoff.

What Can We Do About Government Spending?

By FRED ROGERS FAIRCHILD

Knox Professor Emeritus, Economics, Yale University

Editor's Note: Although C.I. asked Professor Fairchild for an article that would give up-to-the-minute figures on government expenditures, together with his recommendations for reducing them, we have accepted an article written by him on the same topic and published in 1957 in the copyrighted *Tax Review*, a publication of the Tax Foundation, Inc., because of the present impossibility of undertaking the truly immense job of collecting up-to-date figures. Even though the figures are three years old they are sufficiently startling to demonstrate conclusively the need for a vigorous and courageous attack upon the ever-growing expenditures and debt of our national government that threaten certain destruction of our republic unless the present trend is soon reversed.

Professor Fairchild says such expenditures can be reduced by more than \$10 billion annually without limiting any essential function of the Federal government. Such a saving would not only cover added defense costs, but would make possible substantial reductions in confiscatory tax levels and the dangerously high national debt.

■ LAST spring and summer there was much discussion of the Federal government's budget, marked by keen interest on the part of the public and a real grass roots demand for reduction of government spending. It would appear that a good many people have learned that mere protest against burdensome taxation is getting us nowhere—that the only way to reduce taxes, while avoiding the even worse evils of inflation is by reducing government expenditures. This was something new to our experience, and most encouraging.

But what do we have to show for it?



DR. FRED ROGERS FAIRCHILD

The mid-year estimate of expenditures in the Federal budget for 1958 (including the major trust funds) is nearly \$83 billion, four billion more than the actual expenditures in 1957. If under unusually favorable conditions this is the best we can do, then some more fundamental attack would seem to be indicated.

Prerequisite to such attack is recognition of the revolutionary change in the Federal government's fiscal situation which has taken place within the past generation.

The termination of World War I brought a reduction of Federal expenditures from the war-time peak of \$18½ billion to an average of \$3½ billion in the first post-war decade. War taxes were promptly reduced. Post-war expenditures were kept well below revenues, so that in 11 years the gross national debt was brought down from its war maximum of \$26½ billion to \$16 billion, a reduction of nearly two-fifths of the debt, at the rate of nearly a billion dollars a year. Here we have a picture of what we used to regard as normal post-war adjustment.

ABOUT THE AUTHOR

Dr. Fred Rogers Fairchild, nationally-known economist, has been associated with Yale University since 1904. He became professor of economics in 1913 and professor emeritus in 1945. He has served on numerous tax commissions and as tax adviser to the republics of Santo Domingo and Columbia and the Territory of Hawaii. He was director of the U. S. Forest Taxation Inquiry, 1926-35; president of the National Tax Association, 1929-30; vice-president of the American Economics Association, 1923 and 1932 and a member of the Committee on Federal Tax Policy. For a number of years Dr. Fairchild was also Tax Advisor to MAC. His textbooks on economics are familiar to students across the nation.

Now let us consider the corresponding record of World War II. During this war, expenditures rose from some \$9½ billion to a peak of \$100 billion. A decline to \$35 billion in 1948 was reversed by the Korean conflict. Since 1955 expenditures have been rising to the present figure in the 1958 budget of \$83 billion (including the major trust funds). This is only \$17 billion below the war-time peak.

Prior to World War II taxes were running at the level of \$5½ billion a year. They rose to a war-time peak of \$42¾ billion in 1945. They dropped slightly during the next five years. Thereafter they increased, till in 1957 the tax take was \$77 billion, 80 percent greater than was collected at the war peak.

However, expenditures have exceeded even this unprecedented level of taxation, and deficits have been incurred in seven of the 12 years since 1945. The gross national debt rose from \$43 billion in 1940 to a war-time peak of \$279 billion in 1946. Today it

is pressing hard on the present legal limit of \$275 billion.

Here is the picture of fundamental change in our Federal government's finances. Our last war has not been followed by the "normal peacetime" adjustment. Instead we see, in the present period of "peace", Federal expenditures only slightly below the war-time level, Federal taxes actually 80 per cent higher, and the national debt, not in process of being paid off, but on the increase.

It may be that we shall never again experience the old-fashioned post-war era of peace. Defense costs can no longer be regarded as emergency expenditures. So far as we can now foresee, they are probably destined to remain high.

This does not mean that there is no room for careful cutting of costs. There is plenty of evidence of waste and extravagance in the spending of the Department of Defense; witness for a single example the competition and duplication of effort among the three arms of the military service. And in view of present demands for speeding up our missile-satellite program, we should not forget that to reach our goal it is not enough merely to spend a lot more money.

Moreover, the responsibility for present high and increasing expenditures by no means rests on defense alone. In 1957, defense costs, in which I include "international affairs and finance", accounted for 55 percent of total expenditures, and non-defense expenditures, 45 percent. In the three years 1953-1956 defense expenditures actually declined by \$10 billion while non-defense expenditures were increased about \$5 billion.

It is in the non-defense part of the budget that the real opportunity for saving lies, and I would suggest three basic principles which should guide us.

Basic Principles Determine Essential Functions

Government is necessary; it has certain functions which the individuals cannot so well perform for themselves. But by the same token, government should be limited to these functions. No government should be authorized to do for the people those things which the people can equally well do for themselves.

The second principle is that, in the American concept, the government is created by the people, and the ideal government is that which best expresses the will of the people. The closer the government is to the people, the easier it is for them to express their will and to see that government carries it out. It follows that every function assigned to government should be

performed at the lowest practicable level.

The third principle has to do with the sovereignty of the American states. Our government is not a democracy in the strict sense. It is a republic, with sovereign government at two levels; the national government, limited to those functions delegated to it by the states in the Constitution; the states the residual holders of sovereign power.

This division of sovereignty and separation of powers was conceived by our founding fathers as one of the means to preserve the liberties of the people from an over-powerful government. By the Revolution they had acquired their freedom from a tyrannical English government, and they did not propose to lose it to the new government of their own creation. The soundness of their judgment has been amply demonstrated by experience. We need to be on our guard lest our Federal government's expenditures and tax exactions weaken and eventually destroy the sovereignty of our states.

In applying these basic principles to the problem of the Federal government's non-defense expenditures, the reader should be warned that this will mean a radical departure from prevailing attacks upon heavy government spending. Most of the recent discussion has gone on the theory that cuts must not be applied to government projects authorized by Congress. But this is the very place where cuts must be made if we are to accomplish anything. Here are some of the more important areas where that could be done.

The Federal government is in the lending business to an extent that fairly staggers the imagination. The total of the government's outstanding direct loans and guarantee and insured loans as estimated for 1958 is \$85 billion.

According to the basic principles which I have suggested, lending money has no place among the essential functions of the government of a free nation. Government has no source of loanable funds except what it takes by force from the people, through taxation, or obtains by first going itself into debt. The capital funds of a free people are loaned more equitably and more economically by their private owners, and we have banks, insurance companies, and other investment agencies well equipped to do the job.

Production of electric power has become one of the major functions of the Federal government. In the period from 1925 to 1956 the government's share of electric energy production climbed from less than one-fifth of

one percent to over 14 percent of total United States production.

The character of the federal government's power business may be shown by the record of the Tennessee Valley Authority. TVA was inaugurated in 1933 as a "river development", with flood control and navigation as its primary objective; incidental electric power generated at the dams was to be sold to residents of the area. However, with the progress of time, production of electric power has steadily increased, until today four-fifths of TVA's investment is devoted to the electric power business, and nearly three-fourths of the power is produced by steam plants.

TVA has obtained its capital from money appropriated out of the United States Treasury and retained earnings from the sale of power. The amount of these appropriations on June 30, 1956, was just under \$1 1/2 billion, of which only \$145 million had been repaid to the Treasury. No interest has been paid to the government on this money. Such unpaid interest had amounted to \$357 million by June 30, 1956.

TVA is moreover exempt from all taxes to Federal, state, and local governments. "In lieu" of state and local taxes, it makes certain payments which, in proportion to gross plant investment, are only one-tenth of what private electric companies pay in state and local taxes.

By charging rates below cost and below what private companies can offer, TVA renders a valuable subsidy to the people in its territory; in short, they are getting their electricity at about half price, and the nation's taxpayers are making up the difference, about \$90 million a year.

If TVA were sold to the public, a gross favoritism would be removed, the United States government would be relieved of the annual direct cost of over \$19 million and of making further appropriations for its power business, and the nation's taxpayers would be the gainers on account of the taxes which the private owners would then pay.

Some Functions Favor Special Groups

The largest of all the government aids to special domestic groups is the veterans' program, which calls for almost \$5 billion in the 1958 budget, \$188 million more than is presently estimated for 1957. This item has been consistently over \$4 billion a year in the last five years.

Of the \$3 billion for compensation and pensions, more than \$1 billion will be paid to veterans and veterans' families for disabilities and deaths not re-

(Continued on Page 27)

Can America Be Saved?

By Dr. N. Burnett Magruder

Editor's Note. In this issue C.I. is publishing the first article in a continuing series by Dr. N. Burnett Magruder, an ordained minister, a fearless crusader for freedom and executive secretary of the Louisville Council of Churches, Louisville, Kentucky. The Kentucky *Farm Bureau News* and *Action in Kentucky*, newspaper of the Associated Industries of Kentucky, are also publishing the series. C. H. Fields, editor of *Farm Bureau News*, says of Dr. Magruder, "He is no ordinary minister. He has recently proved that he is one of the most courageous ministers in the country and a determined apostle of the private economic system based on the worth and opportunity of the individual, rather than the collectivist welfare state." Of this new series, Mr. Fields said, "It will come as a badly needed antidote to those who seem to believe that the welfare state is merely an extension of the brotherhood taught by Christ; and even that the principles of communism taught by Marx, Engels, Stalin and Khrushchev are based on the New Testament. A first series of 18 brief articles published in *Action in Kentucky* during 1959 has been published in book form and is available at \$1.00 per copy from Publisher's Printing Co., P. O. Box 324, Shepherdsville, Kentucky. One article in the series dealing with the charges of communism in the churches, brought down the ire of several ministers in the Louisville area upon Dr. Magruder, but they failed, despite strong effort, to oust him as head of the Louisville Council.

■ DO you think the title of this article is too alarmist? If so, you need to think again. Today the American nation stands in an hour of peril which can be compared only with the dangers of the days of Valley Forge and George Washington or the times of Abraham Lincoln and the Civil War.

The danger can be stated in this manner: on the one hand the enemy is more ruthless, powerful and deadly. On the other hand, the moral strength of the American people is not mobilized and energized to meet the demand of the times. What are some of these demands?

Conspiracy Not New

The American people still have not recognized the nature and purpose of the world-wide Communist Party. The Communist conspiracy is not new. Only its tactics are new. The strategy never changes. The world program of Communism has been openly proclaimed ever since the days of Karl Marx and Friedrich Engels in the publication of the *Communist Manifesto*. When will we learn?

It is practical folly to speak of "peaceful co-existence" between America and Communist tyranny. The term "peaceful co-existence" is a



DR. N. BURNETT MAGRUDER

Communist phrase which designates a period of Communist penetration without the use of military power. It is a form of war — a war with weapons other than guns. Our immediate objective must be to win the war with Communism without the use of guns. But how can we win a war which we are not willing to recognize?

Failed Responsibility

The American people have not ac-

cepted the responsibility of freedom on the home front. It is now a political axiom that no politician can be elected who does not promise more of the "good things of life" by which is meant more conveniences, more luxuries, more benefits. We are in the grip of the "pleasure principle" in government and in daily life. Such a form of life cannot produce character neither can it save a nation. Government cannot save us. Yet that is where we are looking for salvation. The government will never save the Constitution—the people must save it.

The Constitution will die unless it lives in the heart of the people. Salvation by government is a form of idolatry and totalitarian faith. What difference does it make whether or not we call it Communism? The end-result will be the same.

Threat Is Immediate

This danger and this immediate threat is the reason we must look to the right place and the RIGHT PERSON for salvation both of the individual and the nation. "Except the Lord build the house, they labor in vain that build it. Except the Lord keep the city, the watchman waketh but in vain." (Psalm 127:1)

Who is the Lord in this passage of Scripture? To whom should we look for the saving of the nation? None other than Jesus Christ to whom God has given the authority and rule of the nations of the earth. The American system of government and the demands of our times cannot be met without the Lordship of Jesus Christ. Let us see how He can save us. He alone can put within us a desire to serve God instead of man. This will breathe a new spirit into American politics. Moral regeneration depends on the Spirit of God. Only in this way can the pleasure principle be defeated.

A Compelling Mission

The power of Christ will enable us to know our right hand from the left. The Communist Party and totalitarian government must oppose Christ because they seek the rule and submission of all people.

(Continued on Page 32)

PROTECTION IN DEPTH

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A thousand new industrial uses of caustics, acids and solvents make dermatitis today's No. 1 occupational disease. Often it causes lengthy disabilities, disrupts plant operations, boosts compensation insurance rates.

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News Forum

This department includes a digest of news and comment about Connecticut industry of interest to management and others desiring to follow industrial news and trends.

♦ THE BULLARD CLARK COMPANY of Danielson, established 90 years ago, has broken ground for one of the most modern manufacturing buildings in the area.

The plant, which is expected to be completed and in operation late this fall, is to be located on a tract of 125 acres approximately 200 yards north of Alexander's Lake in Dayville. The production will consist of mechanical rubber goods and the building will be a branch of Jacobs Rubber Division.

The new plant will augment, and not replace, the rubber production activity in the badly congested buildings which the company maintains in Danielson. It will be located on a tract of land containing 39 acres which will provide ample room for expansion of the first increment of the plant of 30,000 square feet with projected expansion up to 100,000 square feet.

Several compelling circumstances were said to have caused the company to establish an additional manufacturing facility at this location: The Connecticut Development Commission has designated as an industrial park that

general area north of Alexander's Lake; it is parallel in the westerly direction to the new Connecticut Turnpike connection; it is immediately adjacent to the New York, New Haven & Hartford Railway line from

New London to Worcester, has high tension lines of the Connecticut Light & Power Company running through the property, and flat table land requiring no grading.

♦ CHASE BRASS & COPPER COMPANY, Waterbury, has inaugurated a new packaging program for its flat rolled products in coils (brass and copper). The new paper is designed to keep products shipped to warehouses and customers spotlessly clean.

The tan paper is 115 lb. weight, and has printed on it the Chase name in yellow, and the Chase trademark (a centaur) in red. The paper consists



Those attending the Bullard Clark Co. ground-breaking ceremony, left to right: John C. Driscoll, Connecticut Development Commission; Edward J. Bullard, chairman of the board, The Bullard Clark Company; Lester E. Fitzpatrick, president, The Danielson Industrial Foundation; J. Edgar Moe, Bullard executive vice president and Charles E. Wrinn, The Connecticut Light and Power Co.

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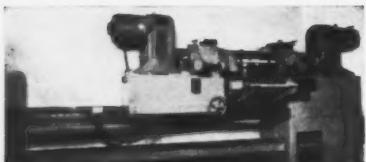
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of 100 per cent unbleached Swedish Sulphate with a chemical treatment of resin, rosin and wax which produces a duck-back effect as well as an internal water resistance.

◆ AN EIGHT-PAGE bulletin which provides a rapid check list for electrical conductivity ratings of 56 copper alloys has been published by Bridgeport Brass Company, Bridgeport. Listed also are available mill shapes for each alloy (sheet, rod, wire, tube) and typical uses in electrical and electronic apparatus based on physical and mechanical property characteristics.

Alloys are divided into nine groups: Coppers, brasses, non-leaded brasses, tin brasses, phosphor bronzes, cupro nickels, nickel silvers, silicon bronzes and aluminum-silicon bronzes. The bulletin also lists technical data sheets available from the company which, in conjunction with Bridgeport's Technical Handbook, provide more detailed information on the alloys described.

Copies of the bulletin, "Bridgeport Metals for Electrical and Electronic Apparatus," are available from the company.

◆ "GOLD-BONDED" contacts, with all of the advantages of gold contacts, plus economy, are now available from Contacts Incorporated, Wethersfield.

They provide longer contact life, fabricating advantages and greatly improved product performance, according to the manufacturer.

The basic purpose of using gold as a contact material is to eliminate the formation, on the surface, of the various sulphides and oxides which create undesirable circuit resistance. The break-through in gold-bonded contacts, developed by Contacts Incorporated, is not a plating process and is not subject to any of the normal disadvantages of plated gold contacts. They are said to materially reduce the cost of electrical contacts and assure freedom from over-plating, scaling, peeling and blistering. They are used in place of high cost materials such as Platinum, Gold and Palladium.

The contacts are available in any standard button or rivet size and shape, and in the new ball contact shape and will also be manufactured to customer's specifications.

◆ THE PROMOTION of Robert W. Foster to residential sales manager of The United Illuminating Company, New Haven, has been announced by Laurence A. Dunn, vice president.

At the same time, Mr. Dunn announced the appointments of George E. Carter as supervisor of new building sales, succeeding Mr. Foster, and

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John P. Callahan as assistant to the residential sales manager.

♦ THE WARNER BROTHERS COMPANY, manufacturer of foundation garments and packaging, has arranged to purchase the assets of C. F. Hathaway Company, long a leading maker of men's and women's shirts.

The purchase will be made from an investment group headed by Samuel J. Holtzman, Baltimore.

"Warner's and Hathaway are outstanding quality brands in their respective fields," John W. Field, president of Warner's stated in commenting on the acquisition. "Their association, the unprecedented linking of a leading women's wear and a leading men's wear company, will strengthen both. Through Hathaway, Warner's will obtain desirable diversification and increased earnings. From Warner's, Hathaway will obtain backing for future growth and better service to customers, and experienced assistance in the marketing expansion of Lady Hathaway women's shirts."

Mr. Field stated that no changes are planned in Hathaway management, or in the company's merchandising, manufacturing or distribution policies and procedures.

Hathaway, founded in 1937, employs approximately 1,000 persons in factories located in Waterville, Maine, and Lowell, Massachusetts. Hathaway and Lady Hathaway shirts are sold in over 1,000 stores across the country.

♦ A NEW "liquid magic that works wonders with metal windows that won't work" has just been announced by Dynamic Chemical Company, Inc., Danbury. President Walter Wolk announced the new development.

Called Cinch Metal Window Ease, the solution is bottled in a translucent squeeze dispenser with turret spout that directs the chemical into aluminum or steel window and door channels. After a few minutes, it frees the stickiness that locks movement of double hung, sliding horizontals, jalousies and casement metal windows. It is said to work equally well in hot or cold weather and leaves no residue to form gum or become tacky.

♦ A NEW explosion proof Slo-Syn Synchronous Motor has been announced by The Superior Electric Company, Bristol. Designated type X250, it is used to provide safe operation in hazardous areas where a small arc or spark could cause an explosion.

The term "explosion proof" means that the Slo-Syn case will withstand internal gas and vapor explosions and is designed to prevent the ignition of surrounding external gas and vapor by internal spark, flash or explosion.

♦ SCOVILL Manufacturing Company, has purchased the assets of International Couplings, Inc., Division of The Gabriel Company, Cleveland, Ohio.

The products formerly manufactured by International Couplings, Inc. will be consolidated with Scovill's line of industrial couplings manufactured in Waterbury and sold by Scovill's sales force.

♦ REEVES SOUNDCRAFT CORPORATION videotape is being used aboard the U. S. nuclear submarine Sea Dragon with the first undersea magnetic videotape recorder. The

videotape will record and store data on under-the-ice characteristics of icebergs and ice flows through use of externally installed television cameras. When the Sea Dragon returns to its base, the recorded information will be used to speed navigation training of U. S. Navy Submarine personnel.

According to Frank B. Rogers, Jr., executive vice president of Reeves Soundcraft Corp., Danbury, the magnetic tape was also used in the development of the RCA undersea recorder.

♦ LOUIS J. FRANCISCO, division general manager, American Cyanamid Company's Plastics and Resins Divi-

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sion, Wallingford, has announced that the division's executive offices have moved from 30 Rockefeller Plaza, New York to the administration building at Wallingford. The move involved over 40 people in the division's executive, general sales, merchandising, sales promotion, advertising, manufacturing, technical and accounting departments.

American Cyanamid is a major producer of plastics and resins in the United States. The Wallingford plant is the largest in the division, employing about 1,000 people.

♦ INDUSTRIAL LEADERS concerned with building new plants or modernizing older facilities will get an opportunity later in the year to hear how one of the world's leading companies solves these problems.

A team of engineers of the E. I. du Pont de Nemours & Co., Inc., headed by M. F. Wood, the chief engineer, will comprise a panel on the topic "Determining the Best Facility for a Company's Needs," at the Industrial Building Exposition & Congress to be held at the New York Coliseum, December 12 through 15.

The du Pont construction organization, considered by many to be one of the most effective in the country, will describe the methods it used to get agreement on requirements from all executives involved in the construction of one facility.

A check list will cover the five major areas: Getting management to spell out its objectives from the standpoint of the product or service in the new facility and the flexibility and expansion requires; the internal coordination required to insure that the project moves efficiently; getting departments to spell out their requirements; translating needs into cost estimates, size and quality of the facility and preliminary design; adjusting requirements to the best interests of overall company needs.

This initial panel on determining the best facility will be followed by others with speakers from leading companies in many fields.

Among the speakers will be executives of A.T. & T., R.C.A., I.B.M., General Electric, Westinghouse, Caterpillar Tractor, Ford Motor, Parke Davis, General Mills, Walter Kidde, General Foods, U. S. Army, Eberhard Faber, Jackson & Moreland, and Johnson and Johnson.

♦ THE WARNER BROTHERS COMPANY, Bridgeport, has arranged to acquire Dawn Fabrics, Inc. of Westerly, Rhode Island, producers of weft (filling stretch) elastic, it has been announced by John W. Field, president of Warner's, following ratification of the purchase contract by the Warner Board of Directors.

Operations of the seventeen-year-old, fifty-loom mill will remain under the direction of Howard Gobeille, son of Dawn's founder, the late Alfred Gobeille. No change in personnel or general policies is contemplated.

♦ A RECENTLY developed automatic milling machine for production milling rates as high as 6000 parts per hour was exhibited in operation at the Machine Tool Exposition in Chicago recently by The Baird Machine Company, Stratford.

Designated the Baird Automatic Mill, the machine is said to be capable of maintaining tolerances of $\pm .001$ " in the milling of precision electronic components as small as .050" x $\frac{1}{4}$ " as well as tool bits as large as 1" square.

In operation the chain drive continuously moves as the parts to be milled are inserted by hand or automatically hopper fed into the jaw cavities. The jaws are attached to the carrying bases which are accurately located in the ways by heavy spring loaded bearings.

♦ THE SIKORSKY S-62 recently became the first American Turbine-powered helicopter to be certified by the Federal Aviation Agency for commercial operations. It also is the first helicopter of any type to be certified under the FAA's new helicopter transport regulations, which are far more stringent than previous requirements.

The FAA certificate permits the S-62 to carry a pilot, a co-pilot and 11 passengers.

♦ FUEL units for oil burners, both single and two-stage, are the subject of the current issue of "Facts 'n Figures," quarterly publication of The Carlin Company, Wethersfield, manufacturers of the U. S. Carlin line of oil burners and water heaters.

The bulletin covers operation and servicing, tells how to check for pressure and vacuum, gives correct line sizes for two-pipe installations and many helpful facts on fuel unit performance to achieve maximum oil burner efficiency.

♦ THE APPOINTMENT of James E. Ettorre as general manager of Automation Bearings Corporation, Bridgeport, has just been announced.

Mr. Ettorre will be responsible for the overall development of the rapidly growing three-year-old company. Automation Bearings manufactures special bearing assemblies.

A graduate of Clarkson College of Technology and former chairman of the Mechanical Engineering Department of the Bridgeport Engineering

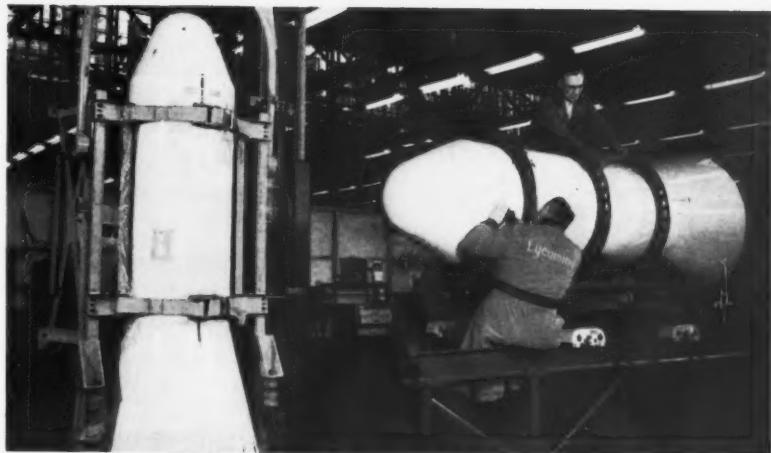
Institute, Mr. Ettorre has written a number of technical articles for various trade journals. Prior to joining the Bridgeport firm he was chief engineer for Remsey Products Company of Charlotte, North Carolina.

♦ THE FIRST Metal Treating Symposium will be held in the New Englander Motor Hotel, Westport, on Thursday, November 3 at 9:30 A.M.

Sponsored by the American Gas Association in cooperation with The Bridgeport Gas Company and other Connecticut utilities, the Symposium will bring the metalworking and gas industries into closer harmony by meeting on common ground to discuss those subjects of heat processing aiming at more efficient production.

A feature of the one-day meeting will be the luncheon speaker, Herman Steinkraus, chairman of the board, Bridgeport Brass Co., who will talk on "Foreign Competition."

The program has been designed to appeal to top metallurgists and company officers in charge of plant production and speakers have been selected to present subjects of timely interest.



Re-entry vehicles for the Titan ICBM are inspected at Avco Corporation's Lycoming Division in Stratford prior to shipment to Cape Canaveral. The vehicles were designed by Avco's Research and Advanced Development Division in Wilmington and produced by Lycoming.

♦ A NEW POWER CHUCK, which can be operated either by air or hydraulic cylinder, has been announced by Power Grip, Inc., Rockfall. This chuck is designed to provide all of the advantages found in a universal

hand-operated chuck plus the advantages of controlled holding pressure and ease of operation.

The new chuck features a large center hole, with up to 4" I.D. for chucking bars and long thin work

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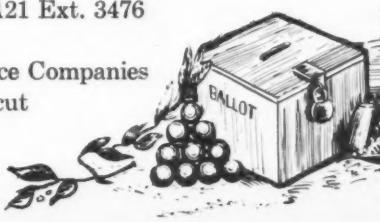
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It is available in 7 standard sizes from 4 1/4" to 16", in both 2-jaw and 3-jaw styles, and with seats to mount directly on the spindle of most popular lathes.

♦ "FEED-OFF", a completely mechanical, production-proven machine stop, developed and manufactured by Rands Products, Inc., Willimantic, for use on punch presses and other types of machinery, is now available on a nation-wide basis.

Described as rugged and dependable, the device is designed to instantly stop a machine, if length of stock per stroke drops below a preset minimum, if stock varies in thickness, if defects such as burrs and tears occur in stock, and when stock coil end is approached. Stop action increases die life, saves down time and will allow more machines to be run at a higher rate of speed with fewer operators in attendance.

The versatile machine stop is portable and can be quickly and easily installed, requiring only a clutch-tripping Solenoid on machine itself to operate. It has only a few simple adjustments which can be quickly and accurately set.

♦ FARRELL-BIRMINGHAM COMPANY, INC., Ansonia, has appointed David Neill manager of roll grinder sales. He succeeds Robert J. Horning who will transfer to the company's European office as assistant manager.

Mr. Neill joined the Farrell organization in 1942 and has for the past fifteen years been engaged in selling a variety of the company's products.

♦ THE SECOND model in Lycoming's new series of fuel injection engines for use in utility aircraft has been certificated by the Federal Aviation Agency, it has been announced by Floyd J. Bird, vice president of Avco Corporation's Lycoming Division and manager of its Williamsport, Pennsylvania plant.

Designated as the IGSO-540, the new model received FAA certificate number IE-7 and is rated at 380 horsepower. It is a six-cylinder engine, geared and supercharged, incorporating a continuous flow fuel injection system with injection at the supercharger inlet elbow.

♦ A NEW LINE of aerial lifts with advance design, construction and performance features has been announced by Hunt-Pierce Corporation of Milford. Designed for a wide variety of

utility, municipal and industrial overhead operations, the new Servi-Lift units require no outriggers and may be mounted on vehicles as small as 1-ton trucks.

Two standard models are available, one with 36 foot working height, the other with 40 foot working height. Both models are canopy mounted on an "H" frame which leaves deck and compartment space clear and permits mounting with minimum modifications on any standard or existing body.

♦ A NEW "Self-Tapping Wire Screw Thread Insert" with up to two and one-half times the holding power of standard fasteners has been announced by Heli-Coil Corporation, Danbury. The new fastener assembly, designed to give lifetime strength and reusability to screw thread joints in products fabricated of wood, particle board and related fibrous materials, was introduced at the National Association of Furniture Manufacturers' annual trade show at Chicago recently.

Called by its manufacturer "a radical departure from conventional fastening systems," the new fastener was subjected to extensive tests by several furniture manufacturers prior to its introduction. Preliminary results of these tests indicate that the new insert fasteners will encourage the design of lighter, stronger furniture at lower cost.

The insert fastener is, essentially, a tightly-wound coil of wire which is inserted into a drilled hole for the accommodation of a screw. Its increased holding power is attributed to the fact that its pitch is half that of standard machine screws, allowing it to leave relatively thick sections of wood between the thread.

♦ THE NEW HAVEN Trap Rock Company, New Haven, has acquired a substantial interest in The Foxon Concrete Corporation, according to a joint announcement made by Robert S. Reigeluth and Domenic V. Frione, presidents of the two companies.

The Foxon Concrete Corporation, formerly known as the Foxon Trap Rock Company, Inc., is a producer of ready mixed concrete. The present management of Foxon Concrete will continue to handle the operations of the company.

♦ CAMPBELL abrasive cutting machines and Allison abrasive cutting wheels will be exhibited by Allison-Campbell Division, American Chain & Cable Company, Inc., Bridgeport, at the National Metal Exposition to be held in Philadelphia this month.

Two models of abrasive cutting machines will be demonstrated by

Allison-Campbell sales engineers. Carbon steel and super alloys, including Inconel "X", Waspaloy, A-286, and titanium alloy will be cut on the Campbell 460 wet abrasive cutting machine. The Sever-All model 2A dry abrasive cutting machine will be in operation to demonstrate the cutting of solid steel bars, structural shapes, pipe and tubing.

◆ FRANCE Q. WILSON has been appointed vice president for marketing by the Waterbury Farrel Foundry & Machine Co., Division of Textron, Inc., it has been announced by A. D. Mitchell, president of the Division.

Mr. Wilson was formerly associated with the Elliott Company of Jeanette, Pa., a division of Carrier Corporation, and more recently with Solar Aircraft Company of San Diego, California, a Division of International Harvester.

◆ A NEW, popular priced jig borer, combining the advantages of the Moore Model No. 1 and Model No. 3 jig borers has been announced by Moore Special Tool Company, Inc., Bridgeport.

Designed for working to split-tenth tolerances, the new No. 1½ Moore jig borer follows the upgraded 1960 Moore standards of accuracy. It offers a greater range and larger table than its No. 1 predecessor, which was discontinued in 1955.

◆ REPRODUCTION Engineering Corp., Essex, has announced a unique device called "Timber-Topper." When used with an ordinary 2 x 3 stud, a removable support post can be made that will hold up almost anything, according to the manufacturer.

The device consists of a metal sleeve measuring 12" by 2" by 3" which has a coil spring inside it. To erect a post, you slide Timber-Topper over the end of a 2 x 3 which has been cut to the correct floor to ceiling measure, and spring the post into place. The depressed spring holds the post firmly upright.

◆ A NEW LINE of standard end measures for testing micrometers and maintaining proper adjustment has been introduced by the J. T. Slocomb Co., South Glastonbury.

A major functional difference featured in Slocomb end measures is that one end is lapped flat and square, the other end has a spherical radius. In conventional end measures both ends are spherical. The advantage of the flat end is that it gives a positive locating face and assures that the end measure is properly aligned to the micrometer measuring terminals. Sizes are available from 1" through 54".

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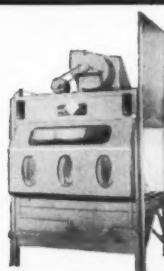
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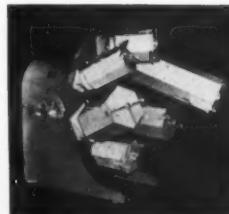
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creased clarity of reproduction and easier servicing are said to be key advances in Dictaphone Corporation's new Model RD6 Dictaphone Telecord Dictation System for network office dictation.

In the new model, full advantage has been taken of the use of transistors, which Dictaphone Corporation pioneered for dictating machine use. Substitution of the transistors for vacuum tubes does away with any warm-up period and eliminates "down time" due to burned-out tubes.

The Telecord System permits the dictator to pick up the handset of the phone on his office desk and dictate his letters to a recording machine in a central secretarial office where his dictation is transcribed. Controls permit the dictator to play back his dictation and indicate necessary corrections.

◆ THE APPOINTMENT of George E. King as manager of development of The Ensign-Bickford Company, Simsbury, has been announced by the company.

A retired Captain in the U. S. Navy, Mr. King joins the Simsbury company after two years service with Aerojet-General at their Missile Plant in Sacramento, California, where he served as manager of management development.

A graduate of Annapolis, the Naval Post Graduate School in Ordnance Engineering, the Advanced Management Program at Harvard and the Naval War College, he filled many important command assignments in the Navy prior to his retirement in 1958.

◆ THE INVENTION of what is described as a revolutionary Press-Stop, designed to control the millions of metal strip punching machines used in industry, has been announced by Maurice Cohn, president and chief engineer of The Akim Engineering Co., Willimantic.

The device, which weighs only nine pounds complete with a tiny electric motor, but without a mounting stand, has been in the process of development and testing for nearly two years.

Mr. Cohn also announced the creation of a special division of the company to manufacture the press-stops. H. Keeney Lathrop, who resigned as treasurer of The William Brand-Rex Division of The American Enka Co., has been named to a general executive post with the new division.

◆ IN ORDER TO ASSIST the users of stainless steel strip in getting the highest possible quality and to assure that their most specialized requirements are met, Ulbrich Stainless Steels, Wallingford, has prepared a 16-page brochure covering their complete facil-

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ties and illustrating the wide variety of specifications which can be met.

In addition to data on Sendzimir Mill rolling and precision slitting, the brochure includes information on a number of highly specialized operations such as round or square edging and deburring. It also includes a listing of not only the stainless steel strip types available, but also many of the super alloys which the company now has on hand. Copies are available from the company.

♦ JOHN H. ZAUNER has joined the Instrument Division of the Perkin-Elmer Corporation, Norwalk, as director of engineering. In this position he will be responsible for all engineering activities within the division.

Before joining Perkin-Elmer, Mr. Zauner was vice president of the Lane-Wells Company, Houston, Texas, responsible for the direction of research, development and procurement of instrumentation in well-logging and other technical oil field services.

♦ THE SESSIONS CLOCK COMPANY, Forestville, has introduced the "Olympiad," a new electric decorator wall clock.

The formed metal case is 12½" square, with Greek key designed border. The hammered finish dial rises away from the wall with black debossed Roman numerals. Black cut out hands with brass sweep second hand complete the decor.

Another model, the Quadrille, features cane and contrasting wood-grain panels framed in walnut. This time-piece is 14" square and has polished brass dial with embossed Roman numerals with black hands and sweep second hand.

♦ RONALD E. JONES has been appointed sales manager of the Berco Manufacturing Company, Waterbury, producers of Swiss Screw Machine and precision component parts.

Mr. Jones was formerly purchasing agent for the Risdon Manufacturing Company of Naugatuck, the A. C. Gilbert Company, New Haven, and director of purchases for the O. A. Sutton Company, Wichita, Kansas.

♦ ACCORDING TO the Southern New England Telephone Company, Connecticut businessmen are fast putting the new "Princess" phones to work in shops, stores and offices.

Completely different in styling and design, the compact, oval-shaped telephone is said to offer some definite advantages to a wide variety of businesses. It is equipped with a dial that lights when the receiver is lifted or that glows with a soft night light at the flick of a switch.

Only 8½ inches long, 3½ inches high, and weighing less than three pounds, the Princess phone reduces by one-third the space now needed for a telephone. It comes in these colors: blue, pink, white, beige and turquoise.

♦ ANNOUNCEMENT of the formation of The A. W. Haydon Company, a California corporation, has been made by A. W. Haydon, president of the new concern.

The new company will be responsible for the marketing, sales and distribution of electronic timing devices and test equipment used in aircraft, missiles and related equipment.

Mr. Haydon said that electronic timing devices will implement the line of electrical and electro-mechani-

cal timers and motors which the company has been manufacturing in Waterbury for many years.

♦ INDUSTRIAL OUTPUT in the nations comprising the European Common Market and the European Free Trade Association has expanded at a much more rapid pace during the past six years than has output in Canada or the United States, the National Industrial Conference Board reports in an analysis released recently.

Especially noteworthy is the steady and rapid rise of manufacturing production in the European Common Market nations (France, West Germany, Belgium, Luxembourg, The Netherlands and Italy). As of 1959, output in that group averaged 157

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per cent of the 1953 level. By contrast, manufacturing output in the Free Trade Association countries (Austria, Denmark, Norway, Portugal, Sweden, Switzerland and the United Kingdom) was 125 per cent of the 1953 level.

In Canada and the United States, 1959 manufacturing production was respectively only 117 per cent and 112 per cent of 1953 levels.

♦ HOWARD A. BAXTER has been elected vice president in charge of engineering for Norma-Hoffman Bearings Corporation, Harry M. Day, president, has announced. Mr. Baxter succeeds Warren D. Anderson, who will continue as engineering consultant to the president in addition to outside activities in development and consulting engineering.

Mr. Baxter was formerly with American Machine and Foundry Company's Greenwich Engineering Division. At Norma-Hoffmann he will be responsible for all engineering functions, including machine and product development, sales engineering and research.

♦ LANDERS, Frary & Clark, New Britain, 118-year-old housewares manufacturer, has recently launched a new career in electronics. President Harry T. Silverman has announced that the company began an extensive research and development program six months ago and is now engaged in the production of high precision electronic equipment and instrumentation systems for the government. He also revealed that a number of products were being readied for the consumer market as well, such as high-speed radiant heat cookers for housewives.

Under the direction of William M. Day, vice president in charge of engineering and research, the program covers a wide range of electronic equipment.

♦ FOREDOM ELECTRICAL CO.,

Stony Hill district of Bridgeport, has developed a miniature power screwdriver and nut runner which is said to be capable of picking up and driving screws as small as No. 0.

The company is engaged in miniaturizing power tools, providing industry with power equipment essential in the manufacturing and assembling of small components.

Company officials report that the working end of the new unit is about the size of a fountain pen. The use of a flexible drive makes the tool ideal for delicate and difficult jobs which up to now have been done by hand.

♦ THE Connecticut Safety Society, Inc., has just recently announced its fall, winter and spring schedule of monthly meetings. Although complete arrangements have not been made for the 1960-1961 series, the dates, meeting topic, meeting places and speakers follow to the extent they are available, beginning with the October 27 meeting dealing with "Off-the-Job Safety" to be held at 6:30 P.M., Cafeteria, Pitney-Bowes plant, Stamford. The speaker will be Dr. E. S. Hannaford, Director Loss Prevention, Long Lines Department, American Telephone and Telegraph Co.

Dates and meeting details, insofar as available for subsequent months are:

November 17, Plant Visitation at American Cyanamid Co., Wallingford, 3:00 P.M. to 4:00 P.M. and meeting at Oakdale Tavern, Wallingford, 6:30 P.M.; December 8, Christmas Party and Ladies Night, Sanford Barn, East, Hamden; January 26, Small Plant Workshop starting at 2:00 P.M., including more than one speaker, dinner meeting in Bridgeport at 6:30.

The subject of the February 23 meeting will be "Fleet Safety". The speaker and place of the dinner meet-

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ing are to be announced. At the March 23 meeting John Sowders, plant manager, Winchester-Western Div., Olin Mathieson Chemical Corp. will speak on "Management's Responsibility." The meeting will be held at 6:30 P.M. in the Hartford area, the location to be announced later.

On April 27 the meeting will start with a plant visitation at the Hartford Electric Light Company Generating Plant at Middletown at 3:00 P.M. At the dinner meeting at the Commodore MacDonough Inn, Middletown, at 6:30 P.M. Francis Payne, Assistant Supr., Safety, Hartford Electric Light Co., will speak on "How to Cope with Electrical Hazards."

The Society's annual meeting and election of officers will be held on May 25 at Oakdale Tavern, Wallingford at 6:30 P.M.

Reservations for these meetings should be mailed to Robert W. Anderson, Anderson Associates, P.O. Box 6054, Hamden 17, Conn.

What Can We Do About Government Spending?

(Continued from Page 14)

sulting from military service. Most striking is the record of hospitals and

medical care. On November 30, 1955, for example, only 36½ percent of Veterans Administration patients in hospitals were being treated for service-connected disabilities.

No one wants the nation to be niggardly in caring for all veterans who suffered disability in military service or for the dependents of those who were killed in service. But it does not seem that that obligation should include those whose disabilities were not incurred in the service.

The government has become involved in a gigantic program of aid to farmers, the principal means being the raising of prices of agricultural products. Under this price support program the government has acquired vast quantities of agricultural products, partly by direct purchase, partly through receipt of farm products pledged as security for loans.

In spite of the "soil bank" program adopted in 1956, the government's inventory of products purchased had grown to \$5½ billion on May 31, 1957, and there was also \$2 billion in products pledged to secure loans. It is to be expected that most of these will eventually be added to the inventory, making a total little if any less than \$7½ billion.

The cost to the government of the

agricultural aid program has been enormous. The budget for 1958 contains \$5 billion for "agriculture and agricultural resources", \$431 million greater than in 1957, and \$113 million more than in 1956, the previous record year.

In the operation of this plan to raise agricultural prices, the government imposes a heavy burden of taxation on all the people and in addition compels them to pay higher prices than necessary for food and other necessities of life. Such action is no part of the necessary functions of the government of a free-economy nation.

Public assistance is a field, traditionally belonging to the states and the local governments, which the Federal government began invading in the 1930's. The program includes old age assistance, aid to the blind, aid to dependent children, and aid to the totally and permanently disabled.

During recent years the cost has been steadily increasing, from \$1,332 million in 1953 to \$1,750 million in the 1958 budget. Nearly all these expenditures are in the form of grants-in-aid to the states.

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(Concluded on Page 44)

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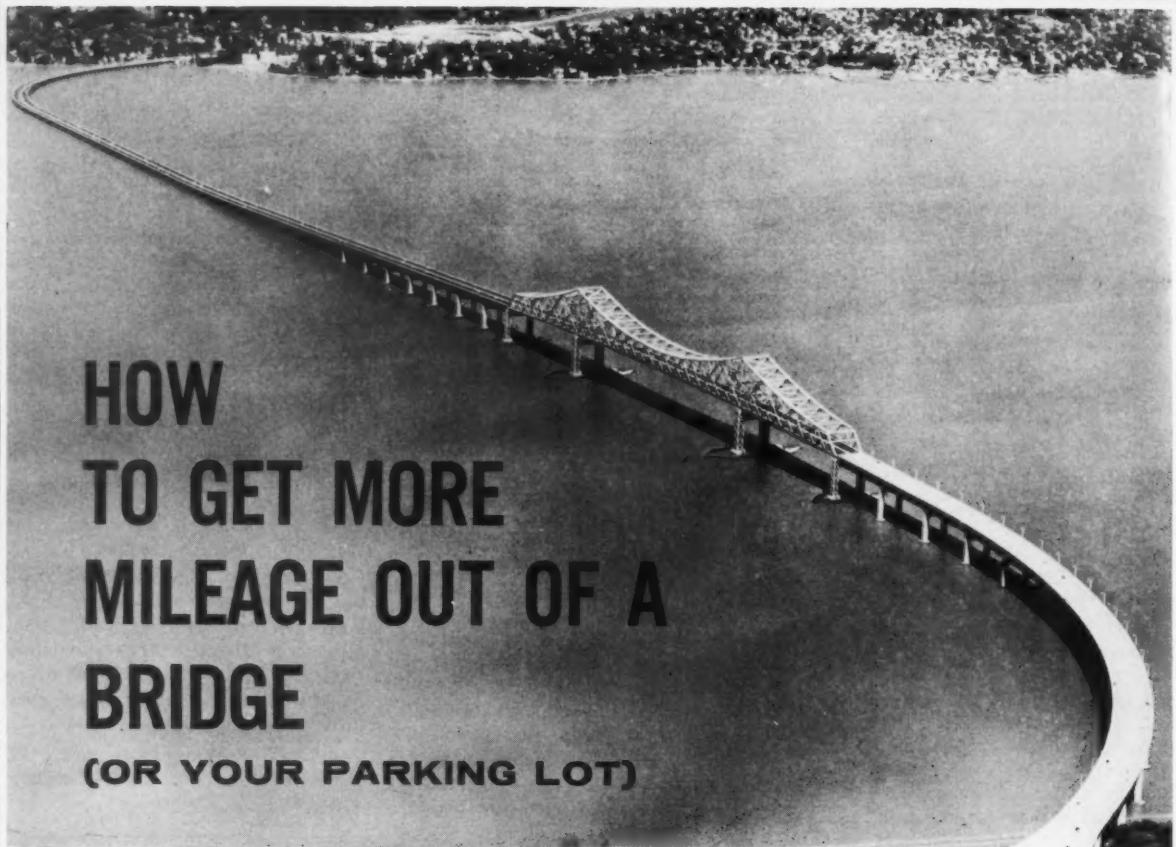
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An overlay of asphaltic concrete went on next, and this will be topped off with Jennite and coarse aggregate as a final tough, non-slip protective seal in 1961. The Tappan Zee Bridge was a big job — and we're proud that we were selected to handle it. But we'll be glad to protect your parking lot, too! Why not call us for an estimate? Remember — Jennite protects pavement against oil, gas, salts, acids, weather — cuts maintenance costs — doubles the life of your pavement!



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Public Relations

By CHARLES E. REICHE
Public Relations Director

Telling The Company Story

■ THE size of an industry has little or nothing to do with whether or not it keeps its employees well informed or, in fact, if it keeps them informed.

A five-man machine shop has just as much need for communication with the personnel and the neighbors as a 5,000-man shop does and for essentially the same reasons. Good communication between management and employees and the community will do, among other things, the following:

1. Help create respect between management and personnel;
2. Help develop better work attitudes;
3. Minimize the possibility of misunderstandings in the factory;
4. Furnish management a continuing source of understanding of employee attitudes;
5. Help create a public image of a company as a good and valuable neighbor in the community.

Basically the problem of communication between management and the help on one hand and management and the community on the other is broken down into two principal channels of endeavor: Word-of-mouth communication and printed or other visual areas of communication.

It is important to bear in mind that communicating does not have to be an expensive program. Much of the most effective flow of information between management and employees is by way of oral communication.

Supervisors and/or foremen, whatever their title, are in an ideal position to carry on word-of-mouth communication with plant personnel. And this part of the management team should be used continually in keeping employees informed.

A second way to further the oral communication technique is to have top management representatives make frequent, but unscheduled, visits throughout the factory for the sole purpose of chatting with employees at their jobs. These visits should be completely informal and conducted on a genuinely friendly man-to-man basis. An attitude of condescension or paternalism, authorities agree, can be very harmful and must be avoided.

A third well-established way to

maintain continuing communication is to have scheduled meetings between department heads and each employee in the department, possibly two or three such sessions a year. This gives both men a chance to sit down out of earshot of others and discuss things in an open fashion. Such meetings should be aimed at two targets: Finding out the state of mind of an employee about his job and finding out if he is making progress which seems to fit his known talents and personality.

A fourth oral communication practice is to have occasional meetings of all personnel with the top executives of the company. Such meetings, of course, must be set up to allow for give-and-take between employees and the management people participating. Many small companies in the 50 to

250 category have found this kind of program very effective.

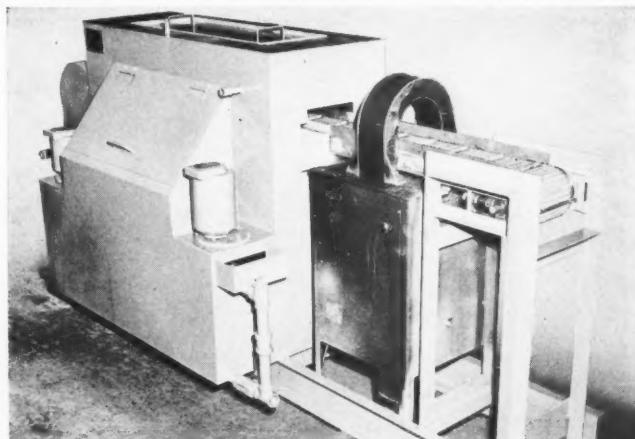
None of the foregoing methods for communicating involves any direct cash outlays and thus each can be undertaken by small industries which have no budget whatsoever for public relations.

Other programs in the word-of-mouth realm which many small companies find helpful include occasional personal reports to all employees by the top executive officer of the company's fiscal position and operations; monthly employee forums with a management figure when the discussion can be thrown wide open to whatever may be on anyone's mind; meetings, as needed, to combat the conventional scuttlebutt which is part and parcel of any business, industry or otherwise, when all the current false rumors and other canards can be pinned down and demolished.

The second basic channel of communicating, by way of printed or visual means, can, it is true, call for occasional cash expenditures. It need not be a heavy outlay.

Internal publications — house organs, that is — are traditionally among the most realistic methods of keeping employees and the community informed. These need not be expensive

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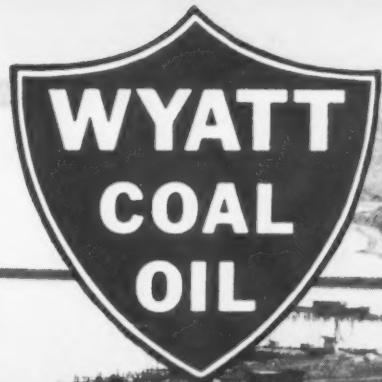
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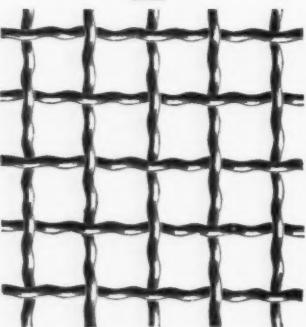
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nor do they have to be prepared on a formal schedule. Many MAC members have simple mimeographed two-page or four-page publications which are issued on a relatively casual schedule — more or less each time management has something important to pass on to the personnel. More and more companies are making of these simple newsletters straightforward company documentaries with no effort to include the rather aimless and usually stale "social notes from all over."

Many companies swear by the "letter-to-the-employee" and time has indeed proven that such a program is a very fine way to keep personnel informed. We are not now referring to formal company letters dealing with company business but with personal letters signed by the company's top executives and written because of a major event in the employee's life — a marriage, a family death, a wedding anniversary.

Other printed or visual programs for communicating with employees — all of them of established value — include product displays, financial reports, descriptive printed folders or booklets which a company may have prepared for sales use or other promotional reasons, bulletin boards and newspaper advertising.

It has been established that most men and women respond favorably to any efforts which are made to communicate with them in terms which they can understand and which do not "talk down" to them. Obviously, then, it behooves any management organization to give serious and continuing thought to the flow of communication between it and the people whom it employs. This, it seems to many people, is indeed the keystone to long-range successful operation of a business, in industry or in other realms.

Men and women in all walks of life grow increasingly articulate. It is vital to the success of industry that management show a willingness to meet this growth and to make of communication a genuine two-way street.

Can America Be Saved?

(Continued from Page 16)

This is forbidden by the Commandment: "Thou shalt love the Lord thy God with all thy heart."

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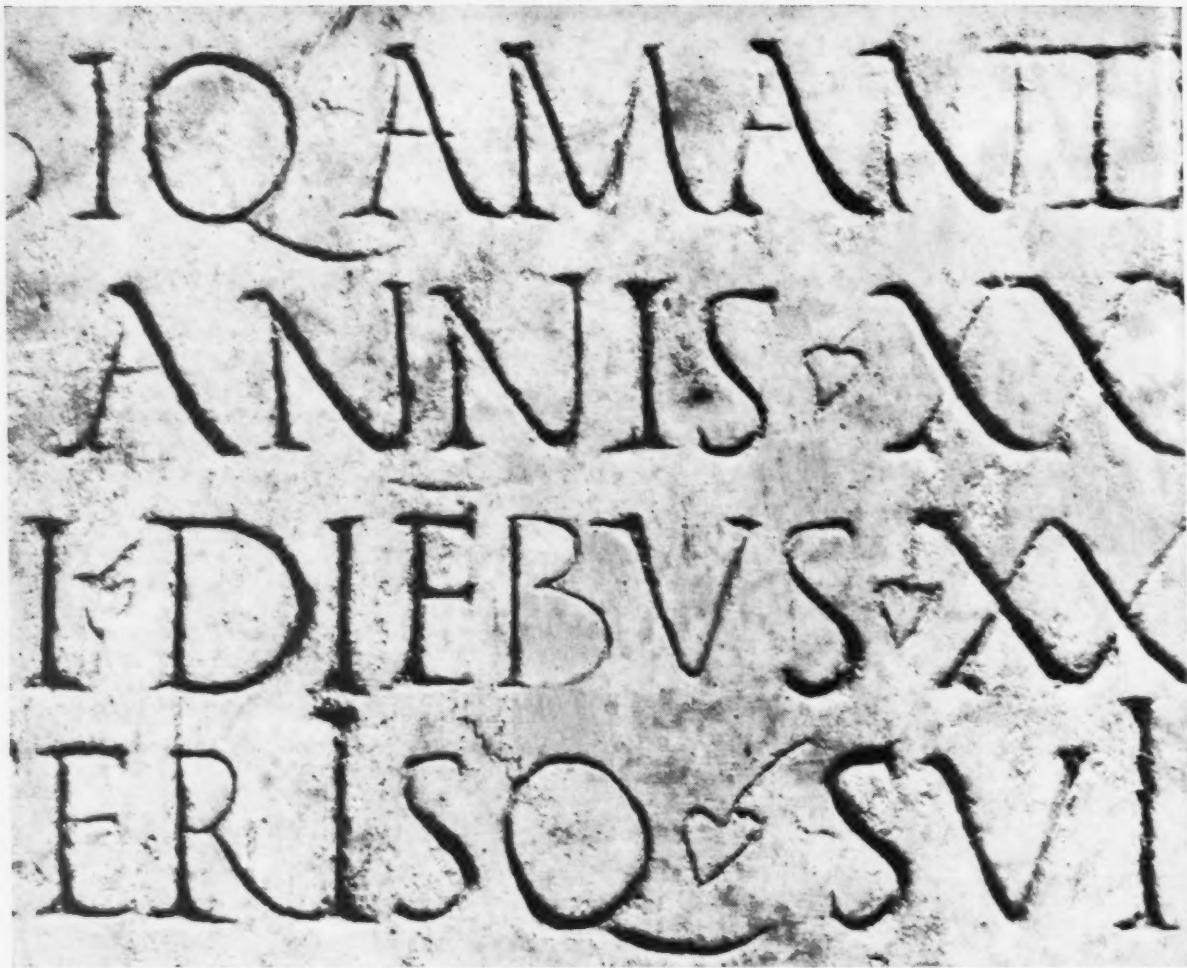
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How Would You Decide?

By LEON L. LEMAIRE
Attorney

♦ DOES a long-standing practice have any bearing upon employees' duties under a group incentive rate?

Here's what happened.

The group incentive rate on the operation of "Cleaner-Cutter-Grinder" was first established in 1946, and since that time had been restudied five times. When the job was first studied, and since that time, the task of removing waste material into the yard was performed by an employee classified as "Cleaner-Cutter-Grinder." The job rotated and requires about 60% of one employee's time each day. The union claims that the trucking of dirt is not part of the job description and that the employees on piecework should be reimbursed for having to share earnings with employees not contributing to piecework. The job description of "Cleaner-Cutter-Grinder" is as follows: "Cutting, cleaning rough castings and may include operation of tumble barrel. Removes undesired projection and surplus material from castings with hand chisel or portable or fixed grinding wheels." The company argues that the established practice of fourteen years should control, since job descriptions have always been regarded as a "mere frame of reference" and not as a "limitation of job duties." The union argues that the company is in violation of the contract by requiring work to be performed by employees not within their job description. They argue that the contract language controls regardless of past practice.

Does a long-standing practice establish intent?

The Board ruled that this long-standing practice clearly establishes the intent of the parties with respect to the group incentive rate in dispute. The fact that employees in the group were detailed to remove dirt must have been taken into consideration in setting the rate. Nor was the "job description" argument compelling. The Board characterized the "job descriptions" more like "job identifications," because of their brevity.

Did the company violate a seniority clause by assigning junior employees to work during a vacation shutdown?

Here's what happened.

During a three-week vacation shutdown, the company assigned three junior employees to work in a department, although senior men were available. The company requested the junior men to work in order to cover any emergency repairs that might become necessary. The senior employees were not qualified to do the emergency work. No emergency work was actually done, and the senior employees were qualified to perform the regular work of the department. The union complains that the company should have assigned the work to the senior men.

Should the senior men have been assigned the work?

The Board held that the employees retained during the shutdown period were qualified to do the emergency work and assignment of the senior men would not have met the company's requirements. The ability to perform the work applies to the emergency work, and not the work actually

performed. The company was not obligated to assign the work to the senior men.

Is refusal to give a reason for an intended absence "just cause" for disciplinary suspension?

Here's what happened.

The grievant had been absent or late on occasion, and either he or his wife would call and so inform the company. On one recent occasion, his wife called to say he would be absent. No reason was requested or given. When the grievant returned to work the next day, his foreman told him that in the future he would have to give a legitimate reason for absence. The grievant told the foreman that he did not have to give a reason because it was a personal affair and none of the company's business. Further, the grievant told the foreman he would take a day off the next week. The foreman told him that if he did not give a legitimate excuse for taking the day off, he would be disciplined. He refused to give a reason and was given a three-day suspension for being absent without permission. The company admitted that it had not asked for excuses in every case and did not intend to do so in the future. It argued that employees were under an obligation to cooperate with the company in maintaining an efficient operation, and that frequent and unexcused absences by one individual could disrupt the work of others. Further, the employee has a duty to present facts which permit the company to exercise its judgment on the sufficiency of an excuse for absence, and failure to give those facts shows an uncooperative attitude.

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Business Tips

Standards for the Performance of Executive Work

By A. D. JOSEPH EMERZIAN, Ph.D.

Professor of Industrial Administration
University of Connecticut

♦ FOR some time, standards for the performance of operational work have been an integral part of the science and practice of management. On the other hand, very little organized thought has been given to performance standards for managerial work. The basis for this lack of attention is rooted in a profound pessimism that the inherent complexities of managerial work can be reduced to statistical or even qualitative measurement. This does not mean that executive performance is not evaluated. On the contrary, executive performance is evaluated in every organization. However, it is rare to find the basis for evaluation reduced to detailed or specific statements in writing. At the most, there exists only a general understanding of expected performance.

The purpose of this paper is to discuss briefly the concept of standards as applied to managerial work and to suggest an approach to their determination.

Concept of Executive Standards

Standards of executive performance can be defined as descriptions of conditions which predict or reflect the satisfactory performance of a managerial activity. These standards, not only identify the activity, but reveal how well it was performed. Since standards are derived for all components of executive work, the summation of component evaluations indicates the level of performance for the entire job.

These standards contain two important and distinctive attributes: objectivity and efficacy. Objectivity means the standards are quantitative and capable of measurement. Efficacy suggests that the standards reflect the results of managerial effort applied in a specific job. The thesis here is that managers are best judged by what happens as a result of their work and not by such commonly used factors as

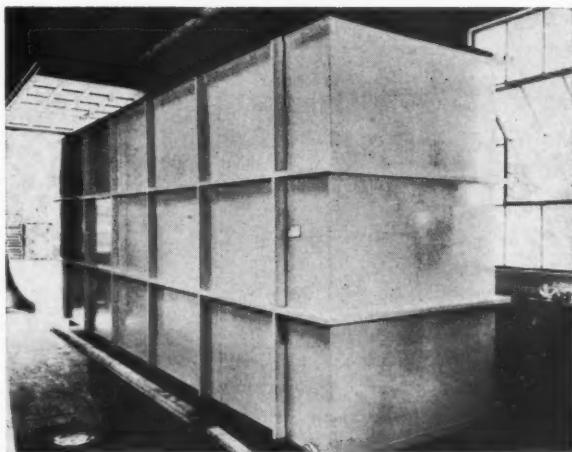
experience, potential ability, and personality traits.

accurately identify executive training and development requirements. Of greater value, however, is the reduced possibility for mis-directed executive effort. Standards indicate precisely what is expected. This permits the executive to orient his efforts toward known goals and reduces the incidence of situations where he is uncertain as to whether he is placing too much or too little effort upon various components of his job.

Identifying the Need for Standards

The existence of unsatisfactory executive performance is the most decisive manifestation of the need for executive standards. The reason for this is that unsatisfactory performance is more often a function of uncertainty regarding expectations than it is of incompetency. Without clearly written standards, these expectations are either unknown, or if known and formulated at the time the incumbent entered the job, have unknowingly changed during his tenure in office. Unknowingly pertains to both superior and subordinate. Since the superior mentally records his standards, he is often unaware of changes in his own thinking, and the subordinate often has little opportunity to detect changes

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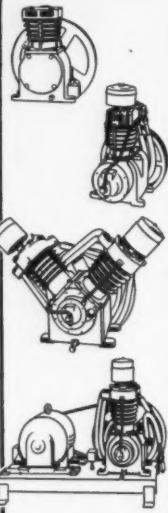
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in his superior's thinking until the damage is done. The essence of this discussion is that a meeting of the minds does not exist as to performance expectations. Recognition of this condition should motivate both parties to seek clarification through mutually determined performance standards.

Developing Standards

The most promising approach to developing standards is through mutual consultation between superior and subordinate. Thus, those who are expected to reach certain levels of performance have the opportunity to contribute to the establishment of these levels. This approach also suggests that the development of these standards is primarily the responsibility of line management. Staff specialists can be of assistance in collecting information and suggesting possible approaches to standards development. However, a realistic determination of the specific standard can only be made by the man doing the job and his immediate superior.

Only two basic steps are necessary in developing standards. These steps are easy to outline, but difficult to achieve. This first step is to identify the major components of the job. If job descriptions are available, much of the work of this first step has been performed. The second and more difficult step is to develop descriptions of the conditions that will exist when each job component is performed satisfactorily. These conditions must be clearly expressed in objective language if possible, and include methods for accurate measurement of results. For example, one of several performance standards relating to office work of divisional managers might read: "not more than 20 per cent of his time devoted to office work." The recommended method of measurement is a periodic work analysis report by the industrial engineering department.

In summary, standards for executive performance can become an integral part of the schedule of modern management controls if they:

1. are the product of mutual determination between superior and subordinate;
2. represent reasonable and acceptable levels of performance;
3. are expressed in unambiguous language; and,
4. properly reflect the duties and responsibilities of the job.

Since executive work constitutes the most valuable activity in an organization, the essential welfare of any organization is dependent upon the proper motivation and orientation of executives through performance standards.

Accounting Hints

Contributed by

The Hartford Chapter National Association of Accountants

Company Work Simplification Program

♦ IN these days of ever increasing accounting and other clerical costs, considerable attention is being devoted by modern management to "work simplification." Many companies are giving consideration to setting up work simplification programs and the following comments may be helpful in understanding their objectives.

"Work simplification program" is the name customarily given to any of a group of methods designed to stimulate and organize the efforts of a company's front-line supervisors to recognize and solve the procedure problems of their own units. By stressing the supervisor's knowledge of the work of his own unit, his responsibility for his procedures and the need and possibility for improvements, the program attempts to enlist the supervisor's interest and support. By training the supervisor in some of the basic techniques of analyzing and improving methods, the program attempts to convert this interest and support into effective results.

The training programs, besides demonstrating the need for the work, teach supervisors how to analyze their unit's procedures and operations. They are instructed in the preparation and use of charts designed to show the flow of work, the time spent by the unit on each part of its work and the distribution of work among employees.

At times the programs are spectacularly successful; at other times, the results are less impressive. The Quartermaster Corps claims to have reduced its force by more than 16,000 employees by applying work simplification techniques for one year. One utility received over 1,200 suggestions for improvements during the first year. In the last analysis, however, the effectiveness of the program seems to depend on (1) the active support of top management, (2) the ability of the leader to interest and train the supervisors, (3) the quality of the follow-up program, and (4) the presence of specialists to consult on or undertake to handle problems which

the supervisors lack the time or the skill to solve.

A realistic appraisal of company work simplification programs would seem to lead to the following conclusions:

1. The programs should be and frequently are very effective in obtaining increases in clerical efficiency, particularly when the increased efficiency is the result of a large number of small individual changes.
2. The programs do a great deal to develop an atmosphere which minimizes resistance to change and stimulates creative thinking.
3. The programs are less effective and normally require additional specialized assistance when they attempt to deal with large or complex problems, such as:
 - a. when there is need for specialized knowledge on technical subjects — office equipment,

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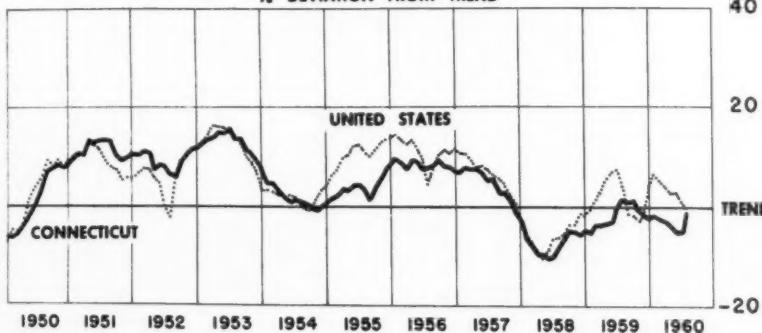
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Business Pattern

A comprehensive summary of the ups and downs of industrial activity in Connecticut for the thirty day period ending on the 15th day of the second previous month.

Connecticut Business Up

INDUSTRIAL ACTIVITY - CONNECTICUT vs. UNITED STATES
% DEVIATION FROM TREND



♦ THE Connecticut Index picked up in July to stand at —1.0%. All components improved after seasonal adjustment. Average hours worked per week and electric power sales rose strongly. Manufacturing and construction employment went up moderately.

Connecticut's economic picture brightened early in August as the strikes at four more United Aircraft plants were settled. This leaves only the two plants of one division operating under a strike handicap.

This month, we are showing the revised United States Index of Industrial Activity for the first time. The chief result of the revision is to reduce fluctuations in the Index caused by accumulation and liquidation of steel inventories. In July, slow declines in production caused the revised Index to decrease one percentage point to the trend line.

Building

Total building contract awards jumped seasonally in the second quarter, almost reaching the high level of a year ago. Non-residential awards were the highest for this quarter in nine years, topping the same period of 1959 by 19%. Residential contracts, however, were down 16% from last year.

6% lower than the number of units contracted for in the same period a year ago. For the nation as a whole, the Federal government estimates that 18% fewer housing units were started than in the first six months of 1959.

The tightness of mortgage money and the associated high interest rates have tended to depress housing in 1960. However, recent developments indicate that this situation is easing. This would provide some stimulation to both Connecticut and national homebuilding in the remainder of 1960. For the year as a whole current forecasts are that U. S. housing starts will be 1.3 million compared with almost 1.6 million in 1959.

Business Firms

The number of new incorporations in Connecticut continues at a high level. In the first six months of this year, 1,540 new corporations were formed. This was only a trifle below last year's record for the period and was well above the same period of any other year.

Bankruptcies in Connecticut remain above their pre-1958 level. One of the causes of this is the increasingly competitive situation which makes it more difficult for many marginal businesses to survive.

Inventories and Sales

The change in total business inven-

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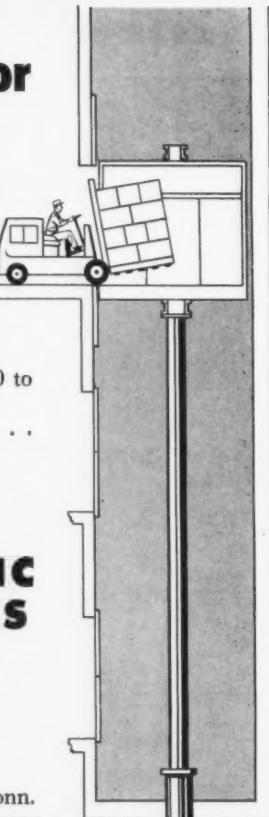
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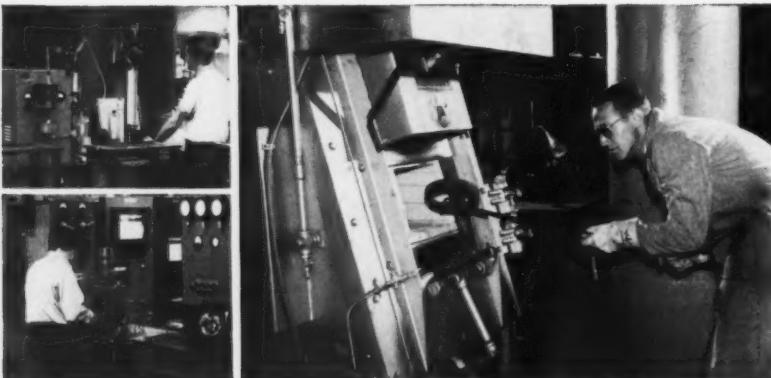
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BALL BEARINGS
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tories is one of the principal causes of fluctuations in total output.

Manufacturers' inventories have been on the rise since October of last year. In June they reached \$55.2 billion, \$1 billion above the previous high of August and September 1957.

This buildup has come despite attempts to check it. Steel users, for example, have been liquidating inventories for some time. However, in some industries, increased competition is causing manufacturers to carry larger stocks for immediate delivery to customers who in turn are operating with lower inventories.

Manufacturers' sales have been relatively level in 1960 following their post steel strike pickup late last year. The level sales trend has resulted in a gradual increase in the inventory-sales ratio though this is not yet high in relation to past levels.

The current attempts to limit inventory buildup before stocks become excessive in relation to sales should soften the impact of general inventory liquidation which a sales downturn might set off.

A recent *Wall Street Journal* survey indicates that manufacturers may have been successful in July in stemming the rise in inventories. Most companies said their inventories were in balance with sales or would be within 90 days. In addition, some firms were anticipating a fall upturn in customer demand.

Prices

The Consumer Price Index, after holding level for a time in 1958 and 1959, has been in a moderately rising trend for a little over a year. In July, it increased to 126.6 which was 2.7 points higher than in July 1958.

The Wholesale Price Index, affected less by rising labor costs, has stayed approximately level for the last two years. Minor peaks are due to temporary increases in the prices of farm products and processed foods.

Accounting Hints

(Continued from Page 39)

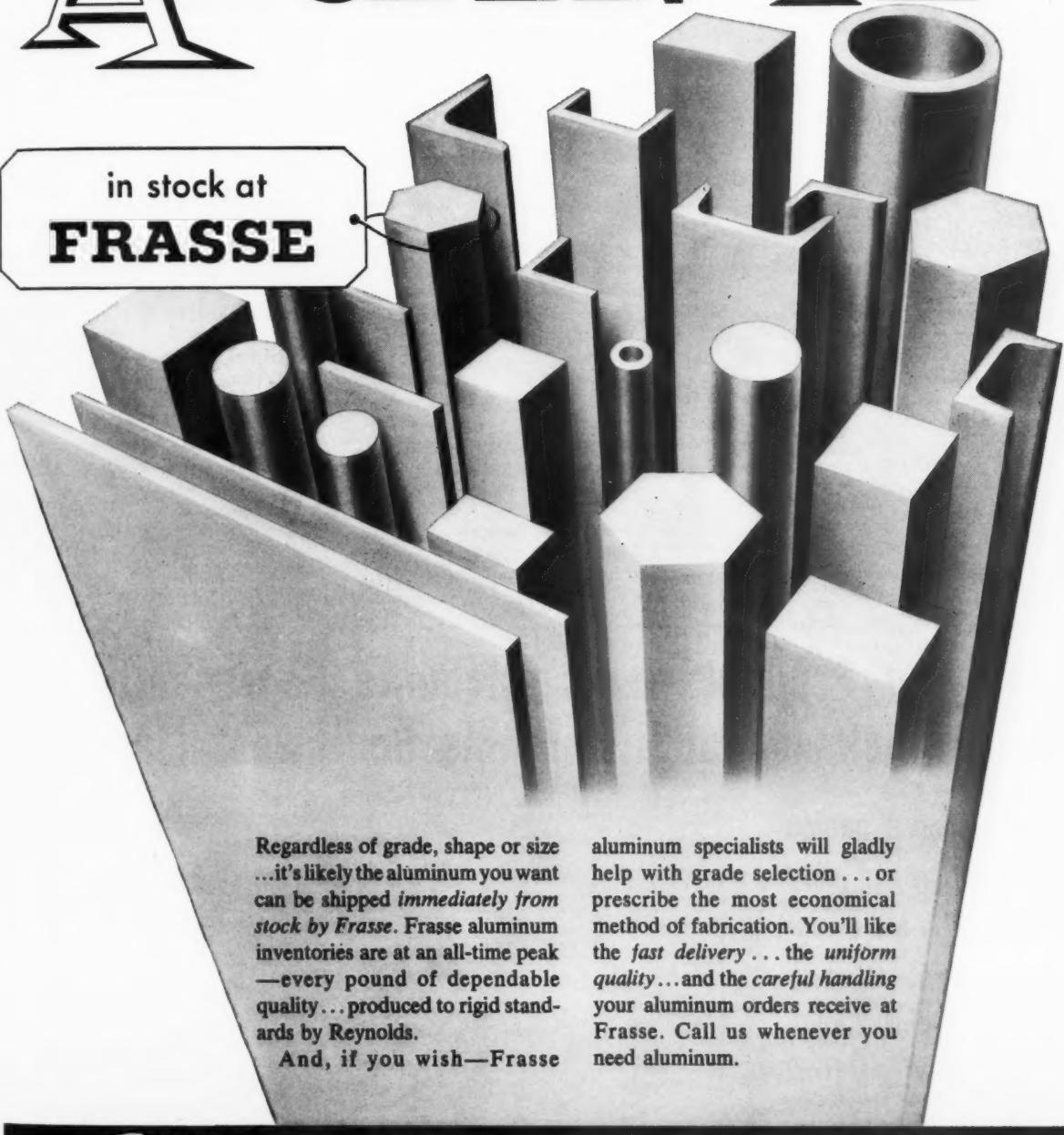
standard costs, design of financial statements, etc.

- when important changes in organization or departmental responsibilities are involved
- when the change implies severe criticism of superiors
- when the solution of the problem requires a large amount of uninterrupted time

Thus, "work simplification" carried out by supervisors is as a rule complementary to "system work" undertaken by company "system departments" or outside specialists.

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What Can We Do About Government Spending?

(Continued from Page 27)

to local government. Both administration and financing should be kept as close as possible to the people, who know local needs as a central government bureau never can.

The initial highway grant program was started in 1916. With the Highway Act of 1956, the Federal government has undertaken a long-term program of increased assistance to the states, which is expected to provide (1) nearly \$25 billion over 13 years for a mainly Federal-financed interstate system linking the principal cities, and (2) \$12 billion for the primary, secondary and urban system on a fifty-fifty matching basis.

It may be proper for the Federal government to exercise some advisory function over state highway construction in order to promote national unification. Otherwise all this represents a major expansion of a function which properly belongs to our states.

Public education has been in the hands of the American states and their local subdivisions from the beginning. In recent years the Federal government has been gradually edging into this field. The 1958 budget calls for \$533 million, of which \$447 million is for grants-in-aid. Considerable pres-

sure is now being exerted to expand greatly the Federal contribution for school construction over a number of years in the future.

This is a function which in our American set-up is not appropriate to the Federal government. The state and local governments have spent and are spending huge sums on their educational systems. They will continue to do a better job, at less cost, if they finance their own education and keep themselves free from the interferences and controls which would almost certainly come in the train of large Federal grants.

These are some of the more important examples of expenditures incurred by our Federal government for projects which I believe it should never have undertaken or should have kept within narrow limits. There are many others, such as housing subsidies, calling for \$362 million in the 1958 budget; aids to water transportation, in the budget for \$420 million; administration of the unemployment compensation system; and very many items in the public works budget. Then there is the postal deficit, a subsidy to users of mail service other than the first class, estimated at \$657 million in the 1958 budget.

Exact figures showing the total reduction in government expenditures

which might result from adoption of these suggestions could be obtained only from a thorough-going audit of the budget, a task obviously beyond my resources. But from the facts here presented, I think savings well over \$10 billion can readily be seen. This is without taking account of whatever capital funds might be recovered through sale of the \$17 billion of the government's direct loans receivable, or the billions invested in TVA and other power producing plants.

I believe there is ample evidence to show that, with the will of the Congress and the support of the Administration, and with the assistance of the Budget Bureau, tremendous savings are possible, which, without limiting any essential function of the Federal government, would provide a really significant reduction in government expenditures and make possible a substantial cut in taxes.

In conclusion, I recognize that some of these suggestions may be regarded as pretty drastic. That they are, I freely admit. But I would point out that the legislation which brought us to our present state was drastic, and that action to reverse it will likewise have to be drastic. We have seen the futility of the more timid approach. The time has come for a courageous and vigorous attack.

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PRODUCTS AND SERVICES

THIS department, formerly listing only products made in Connecticut (from 1937 through 1959) is now available for listing not only products made in the state but also services available to industry through management, technical research or other service organizations located in Connecticut.

Listing rate, \$6.00 per listing for 12 monthly insertions, effective with the February 1960 issue. Listings are payable annually, in advance, or within 30 days after their first insertion.

Abrasives Fuller Merriam Company, The (Vitrified, Resinoid Bonded Grinding Wheels & Segments) West Haven	Aircraft Engine Details American Standard Products, Inc. Hartford Hartford Machine Screw Co., Div. of Standard Screw Co. Hartford New Haven Trap Rock Co., The, Machine Products Div. North Branford Tag Alloy Welding & Mfg. Co., Inc. Glastonbury weldments	Aluminum Windows Norlee Aluminum Prod. Corp. (combination and prime) Bloomfield
Abrasive Adhesives Sevill, Inc., D. & H. (for polishing metals, etc.) Higganum	Aircraft Engines Lycoming Division Avco Mfg. Corp. Stratford Pratt & Whitney Aircraft Div., United Aircraft Corp. (aircraft) East Hartford	Ammunition Remington Arms Co., Inc. Bridgeport
Absorbents Nielsen & Sons, Inc., John R. (oil, water, and grease) South Windsor	Aircraft Fasteners American Standard Products, Inc. Hartford Hartford Machine Screw Co., Div. of Standard Screw Co. Hartford Sevill Manufacturing Co. (PANELLOC Aircraft Fasteners) Waterbury	Anodizing All-Brite Chemical Corp. Watertown Aluminum Finishing Co. Bridgeport Contract Plating Co., Inc. Stratford Leed Co., The H. A. Hamden Stamford Polishing & Plating Corp. Stamford
Accounting Forms Baker-Goodyear Co., The Branford	Aircraft Instruments Gorn Electric Company, Inc. Stamford Lewis Engineering Co., The Naugatuck	Anodizing Equipment Enthone, Inc. New Haven
Accounting Machine Cards Connecticut Printers, Inc. Hartford	Aircraft Nuts McMellon Bros., Inc. Bridgeport	Asbestos Auburn Manufacturing Company, The (gas-kets, packaging, wicks) Middletown
Adding Machines Underwood Corporation Hartford	Aircraft—Repair & Overhaul Airport Department Pratt & Whitney Aircraft Div. Rentschler Field East Hartford	Asarcron Bronze Derby Castings Company, The Seymour Knapp Foundry Company, Inc. (busling & bearing stock) Guilford
Adhesives Polymer Industries, Inc. Springfield Raybestos Division Raybestos-Manhattan, Inc. Manhattan Bridgeport	Aircraft Studs & Bolts American Standard Products, Inc. Hartford Hartford Machine Screw Co., Div. of Standard Screw Co. Hartford	Assemblies—Small American Standard Products, Inc. Hartford Barnes Co., The Wallace Div. Associated Spring Corp. Bristol Greist Manufacturing Co., The New Haven Hartford Machine Screw Co., Div. of Standard Screw Co. Hartford Stanley Humason, Inc. Forestville J. H. Sessions & Son Bristol
Advertising Mats Ads Inc., Div. CSW Plastic Types, Inc. (plates, services) Rocky Hill	Aircraft Wire & Cable Lewis Engineering Co., The Naugatuck	Audio-Visual Equipment HB Motion Picture Service (rental & service, projection and sound) New Haven
Lockwood Sons, Inc., Wm. H. Hartford	Aircraft Test Equipment United Manufacturing Co., Division of The W. L. Maxon Corp. Hamden	Victor Animatograph Corp. a div. of Kalar (16mm sound and silent projectors; 35mm filmstrip and sound slide film projectors) Plainville
Advertising Agencies Brunelle Co., The Charles Hartford Jinford Advertising Agency Middletown Langeler-Stevens, Inc. Orange Moore and Co., Inc. Stamford Robotham Co., The Edward W. (Industrial) Westport	Alumilite Aluminum Sheets Leed Co., The H. A. Hamden	Automatic Buffing & Polishing Machines Harper Buffing Machine Company, The East Hampton
Shenton Co., K. C. (Industrial marketing) Hartford	Aluminum Awnings Norlee Aluminum Prod. Corp. Bloomfield	Auto Cable Housing Wiremold Company, The Hartford
Watson-Manning Advertising (Industrial and technical) Stratford	Aluminum—Bar, Rod, Sheet, Plate Frassé & Co., Inc. Peter A. Hartford	Automatic Control Instruments Bristol Co., The (temperature, pressure, flow humidity, time) Waterbury
Advertising Plates Lockwood Sons, Inc., Wm. H. Hartford	Aluminum Bronze Castings Knapp Foundry Company, Inc. Guilford	Automobiles—Children's Powercar Company Mystic
Advertising by Representation Hartz-Miller Associates Meriden	Aluminum Castings Eastern Malleable Iron Company, The Naugatuck Newton-New Haven Co. West Haven	Automotive Bodies Metropolitan Body Company Bridgeport
Air Compressors Spencer Turbine Co., The Hartford	Aluminum Die Castings Mt. Vernon Die Casting Corporation Stamford	Automotive Leasing Motorlease Corporation, The West Hartford
Air Conditioning Contractors Salmini Co., Inc., J. P. Milford	Aluminum Products Peasley Products, Inc. Stratford Peerless Aluminum Foundry Co., Inc., (permanent mold) Bridgeport Stewart Die Casting Div. Stewart-Warner Corp. Bridgeport	Automotive Parts Bridgeport Thermostat Div. Robertshaw-Fulton Controls Co. (automobile thermostats) Milford Echlin Mfg. Co., The (Ignition & Brake) Branford Els Automotive Corp. (Hydraulic Power and Mechanical) Middletown Raybestos Division of Raybestos-Manhattan, Inc. (Brake Lining, Lined Brake Shoes, Clutch Facings, Automatic Transmission Parts, Fan Belts, Radiator Hose and Miscellaneous Rubber) Bridgeport Terryville Manufacturing Co. (Stampings for automotive parts) Terryville
Air Conditioning Products Dunham-Bush, Inc. West Hartford	Aluminum Foil Republie Foil, Inc. Danbury	Automatic Polishing and Buffing Equipment Packer Machine Company Meriden
Air Ducts Wiremold Co., The (Retractable) Hartford	Aluminum Forgings Consolidated Industries, Inc. West Cheshire Sevill Manufacturing Company Waterbury	Automotive Tools Els Automotive Corp. (Brake Tools) Middletown
Air Heaters—Direct Fired Peabody Engineering Corp. Stamford	Aluminum Ingots Batchelder Co., Inc., Charles Newtown Lapides Metals Corp. New Haven	Bag Sealing Machines Derby Sealers, Inc. Derby
Air Impellers The Torrington Mfg. Co. Torrington	Aluminum Sand Castings Bridgeport Deoxidized Bronze Corp. Bridgeport Peerless Aluminum Foundry Co., Inc., Bridgeport	Bakelite Moldings Watertown Mfg. Co., The Watertown
Air Cylinders Cushman Chuck Co. (rotating) Hartford	Aluminum—Sheet and Rod Scovill Manufacturing Company Waterbury	
Aircraft Sikorsky Aircraft Division United Aircraft Corporation (helicopters) Bridgeport	Aluminum—Sheets & Coils United Smelting & Aluminum Co., Inc. New Haven	
Aircraft Accessories Chandler Evans Corp. (Piston and Jet Engine Accessories — Carburetors, Fuel Controls, Afterburner Regulators, Pumps, Servo-mechanisms and Protek-Plug Dehydrator Agents) West Hartford Consolidated Controls Corp. (pressure & temperature controls) Bethel Fenn Mfg. Co., The (Hardened and Ground Gear assemblies) Newington Gabb Special Products Inc. (filler caps—pressure fuel servicing systems) Windsor Locks		
Hamilton Standard Div., United Aircraft Corp. (propellers and other aircraft equipment) Windsor Locks		
Aircraft Engine Timing Tools Gabb Special Products, Inc. Windsor Locks		

CONNECTICUT PRODUCTS AND SERVICES

Balls		
Abbott Ball Co., The (steel bearing and burnishing)	Hartford	
Killian Steel Ball Corp., The	Hartford	
New Departure Div. of General Motors (steel and steel alloys)	Bristol	
Pioneer Steel Ball Company, Inc. (steel for bearings, burnishing, graining; also brass, bronze and stainless)	Unionville	
Superior Steel Ball Co., Inc. (steel bearings & burnishing material)	New Britain	
Band Saw Machines		
Thompson & Son Co., The Henry G. (automatic cut-off)	New Haven	
Barrels		
Abbott Ball Co., The (burnishing and tumbling)	Hartford	
Enthone, Inc. (tumbling)	New Haven	
Esbec Barrel Finishing Corp. (burnishing & tumbling)	Byram	
Baskets—Wire		
Rolock, Inc.	Fairfield	
Bead Chain		
Bead Chain Mfg. Co., The	Bridgeport	
Beaded Chain		
Auto-Swage Products, Inc.	Shelton	
Bearings		
Automation Bearings (ball & spherical)	Bridgeport	
Barden Corporation, The (ball)	Danbury	
Fafnir Bearing Co. (ball)	New Britain	
Marlin-Rockwell Corporation	Plainville	
New Departure Div. of General Motors (ball)	Bristol	
Norma-Hoffman Bearings Corp. (ball and roller)	Stamford	
Torrington Co., The	Torrington	
Bellows Assemblies		
Bridgeport Thermostat Div.	Robertshaw-Fulton Controls Co.	Milford
Bellows—Metallic		
Bridgeport Thermostat Div.	Robertshaw-Fulton Controls Co.	Milford
Bells		
Bevin Brothers Mfg. Co.	East Hampton	
N. N. Hill Brass Co., The	East Hampton	
Belting		
Hartford Belting Co.	Hartford	
Russell Mfg. Co. (High Speed Endless, Laminated Rubber, Roll Stock all types)	Middletown	
Bends—Pipe or Tube		
National Pipe Bending Co., The	New Haven	
Bicycle Sundries		
Torrington Co., The	Torrington	
Blacking Salts for Metals		
Du-Lite Chemical Corp.	Middletown	
Enthone, Inc.	New Haven	
Mitchell-Bradford Chemical Co.	Milford	
Black Oxide Finishing		
Black Oxide, Inc.	New Britain	
Black Oxide Treatment		
Bennett Metal Treating Co., The	Elmwood	
Blades		
Capewell Manufacturing Company, Metal Saw Division (hack saw and band saw)	Hartford	
Blast Cleaning Equipment		
Pressure Blast Mfg. Co., Inc. (Wet and Dry and Abrasives)	Manchester	
Blocks		
Howard Company (cupola fire clay)	New Haven	
Blower—Centrifugal Type		
Spencer Turbine Co., The	Hartford	
Blower Fans		
Colonial Blower Company	Plainville	
Spencer Turbine Co., The	Hartford	
Blower Systems		
Colonial Blower Company	Plainville	
Ripley Co.	Middletown	
Blower Wheels		
Torrington Manufacturing Company, The	Torrington	
Blueprints and Photostats		
Joseph Merritt & Co.	Hartford	
Blue Printing Machines		
Rotolite of New England	Glastonbury	
Boilers		
Bigelow Co., The	New Haven	
Bolts and Nuts		
Clark Brothers Bolt Co.	Middletown	
Hartford Machine Screw Co., Div. of Standard Screw Co.	Hartford	
Torrington Co., The	Torrington	
Boring Tools		
Atrax Company, The (solid carbide)	Newington	
Bottles		
Feldman Glass Co., The	New Haven	
Box Beard		
Bird & Son, Inc.	New Britain	
Continental Can Co., Boxboard and Folding Carton Division	Montville	
Federal Paper Board Co., Inc.	Montville	
Lydall & Foulds Paper Co., The	New Haven	
New Haven Board & Carton Co., The	New Haven	
Robertson Paper Box Co.	Montville	
Boxes		
Bird & Son, Inc. (corrugated, solid fibre, cleated containers)	New Britain	
Connecticut Container Corporation	New Haven	
Continental Can Co., Fibre Drum and Corrugated Box Division	Portland	
Merriam Mfg. Co. (steel cash, bond, security, fitted tool and tackle boxes)	Durham	
Warner Bros. Co., The (Acetate, Paper, Acetate and Paper Combinations, Counter Display, Setup)	Bridgeport	
Boxes and Crates		
City Lumber Co. of Bridgeport, Inc., The	Bridgeport	
Boxes—Folding		
Leshine Carton Co.	Branford	
Boxes—Metal		
Durham Mfg. Co.	Durham	
Merriam Mfg. Co. (Bond and Security, Cash and Utility, Personal Files and Drawer Safes)	Durham	
Scovill Manufacturing Company (aluminum, brass, bronze, copper-cosmetic, drug, hair pin, ointment, pill, powder, rouge, vanity)	Waterbury	
Boxes—Paper—Folding		
Atlantic Carton Corp.	Norwich	
Bridgeport Paper Box Co.	Bridgeport	
Carpenter-Hayes Paper Box Co., Inc.	East Hampton	
Continental Can Co., Boxboard and Folding Carton Division	Montville	
Curtis & Sons, Inc., S.	Sandy Hook	
Folding Cartons Incorporated (paper, folding)	Versailles	
Mills, Inc., H. J.	Bristol	
National Folding Box Co., Div. Federal Paper Board Co., Inc. (paper folding)	Waterbury	
Brake Cables		
Eis Automotive Corp.	Middletown	
Brake Linings		
Raybestos Division of Raybestos-Manhattan, Inc. (Automotive and Industrial)	Bridgeport	
Russell Mfg. Co. (all types, Fused Fabric, Durak, Wireback, Extruded)	Middletown	
Brake Service Parts		
Eis Automotive Corp.	Middletown	
Brass & Bronze		
American Brass Co., The (sheet, wire, rods, tubes)	Waterbury	
Bridgeport Rolling Mills Company (coil, sheet, strip)	Bridgeport	
Bristol Brass Corp., The (sheet, wire, rods)	Bristol	
Chase Brass & Copper Co.	Waterbury	
Miller Company, The (phosphor bronze and brass in sheets, strips, rolls)	Meredith	
Brass, Bronze, Aluminum Castings		
Coggins Mfg. Co., The J. B.	Morristown	
Derby Castings Company, The	Seymour	
Victors Brass Foundry, Inc.	Guildford	
Brass Goods		
American Brass Company, The	Waterbury	
Rostrand Mfg. Co., The (Ecclesiastical Brass Wares)	Milford	
Scovill Manufacturing Company (to order)	Waterbury	
Brass Mill Products		
American Brass Company, The	Waterbury	
Chase Brass & Copper Co.	Waterbury	
Plume & Atwood Mfg. Co., The	Thomaston	
Scovill Manufacturing Company	Waterbury	
Seymour Manufacturing Co., The	Seymour	
Brick-Building		
Donnelly Brick Co., The	New Britain	
Stiles Corp., subsidiary of Plasticrete Corp.	North Haven	
Bricks—Fire		
Howard Company	New Haven	
Mullite Works Refractories, Div. H. K. Porter Co., Inc.	Shelton	
Bright Wire Goods		
Sargent & Company (Screw Eyes, Screw Hooks, Cup Hooks, Hooks and Eyes, C. H. Hooks)	New Haven	
Bronze & Aluminum Castings		
Knapp Foundry Company, Inc. (rough or machined)	Guildford	
Bronze Sand Castings		
Bridgeport Deoxidized Bronze Corp.	Bridgeport	
Brooms—Brushes		
Fuller Brush Co., The	East Hartford	
Buckles		
Hawie Mfg. Co., The	Bridgeport	
North & Judd Manufacturing Co.	New Britain	
Patent Button Co., The	Waterbury	
Risdon Manufacturing Co., John M. Russell Div.	Naugatuck	
Buffing & Polishing Compositions		
Apothecaries Hall Company, Division The Hubbard Hall Chemical Company	Waterbury	
Lea Mfg. Co.	Waterbury	
Burglar Alarm Systems		
Mosler Research Products, Inc.	Danbury	
Burners		
Dorset-Rex, Inc., Subsidiary of Landers, Frary & Clark	Thomaston	
Burners—Automatic		
Peabody Engineering Corp.	Stamford	
Burners—Coal and Oil		
Peabody Engineering Corporation (Comford-bined)	Stamford	
Burners—Gas and Oil		
Peabody Engineering Corporation (Comford-bined)	Stamford	
Burners—Refinery		
Peabody Engineering Corporation (For Gas and Oil)	Stamford	
Burnishing		
Abbott Ball Co., The (Burnishing Barrels and Burnishing Media)	Hartford	
Pioneer Steel Ball Company, Inc. (balls, cones, other metallic shapes)	Unionville	
Burs		
Atrax Company, The (carbide)	Newington	
Pratt & Whitney Co., Inc. (carbide and HSS)	West Hartford	
Business Forms		
Connecticut Manifold Forms Co., The	West Hartford	
Business Counsellors		
Wirth Management Company	Wilton	

CONNECTICUT PRODUCTS AND SERVICES

Buttons Frank Parizek Manufacturing Co., The Putnam Schwanda & Sons, B. (ocean pearl and plastic) Staffordville	McLagon Foundry Co. (grey iron) New Haven	Chucks Cushman Chuck Co., The Hartford
Scovill Manufacturing Company (Uniform and Tack Fasteners) Waterbury Companies, Inc. (Uniform and Fancy Dress) Waterbury	New England Alloy Casting Corp. Hartford Newton-New Haven Co. (zinc and aluminum) West Haven	Jacobs Manufacturing Co. (drill chucks, lathe collet chucks and arbors) West Hartford
Button Head Socket Screws Holo-Krome Screw Corp. West Hartford	Nutmeg Crucible Steel Co. (steel) Plainville	Skinner Chuck Co. (New Britain) New Britain
Cabinet Work Hartford Builders Finish Co. Hartford	Philbrick-Booth & Spence, Inc. Hartford Producto Machine Company, The Bridgeport	Union Manufacturing Company New Britain
Cable—Asbestos Insulated Rockbestos Wire & Cable Co., Div. Cerro de Pasco Corp. New Haven	Scovill Manufacturing Company (Brass & Bronze) Waterbury	Chucks—Air Cushman Chuck Co., The Hartford
Cable-Interlocked Armor General Electric Company Bridgeport	Turner & Seymour Mfg. Co. (gray iron, semi steel and alloy) Torrington	Power Grip, Inc. Rockfall
Cable—Nonmetallic Sheathed General Electric Company Bridgeport	Union Mfg. Co. (grey iron & semi steel) New Britain	Chucks—Drill Jacobs Manufacturing Co., The West Hartford
Cages Hendryx Co., The Andrew B. (bird and animal) New Haven	Waterbury Foundry Company, The (highway & sash weights) Waterbury	Chuck & Face Plate Jaws Cushman Chuck Co., The Hartford
Cams American Cam Company, Inc. Hartford Bristol Instrument Gears, Inc. Forestville Hartford Special Machinery Co., The Hartford	Wilcox Crittenden & Co., Inc. (gray iron and brass) Middletown (Advt.)	Skinner Chuck Co., The New Britain Union Manufacturing Company New Britain
Cams, 2 Dimensional Mallory Industries, Inc. West Hartford Parker-Hartford Corporation Hartford	Arwood Precision Casting Corp. Groton	Chucks—Lathe Cushman Chuck Co. (power and hand operated) Hartford
Cams, 3 Dimensional Mallory Industries, Inc. West Hartford Parker-Hartford Corporation Hartford	Catalog Production Watson-Manning Advertising Stratford	Chucks—Power Operated Cushman Chuck Co., The Hartford
Capacitors Electro Motive Mfg. Co., Inc. The (mica & trimmer) Willimantic	Cements—Refractory Mullite Works Refractories, Div. H. K. Porter Co., Inc. Shelton	Skinner Chuck Co., The New Britain Union Manufacturing Company New Britain
Carbide Dies National Die Co., Inc. The Wolcott	Centerless Grinding Brown Manufacturing Co. Plainville New England Centerless Grinding, Inc. West Hartford Winsted Centerless Co. Winsted	Clay Howard Company (Fire Howard "B" and High Temperature Dry) New Haven
Carbide Form Tools Sommers Tool Co. (for automatic screw machines) Waterbury	Centers Ready Tool Co., The (anti friction, carbide tipped, high speed) Stratford	Cleaning Compounds Enthone, Inc. (Industrial) New Haven MacDermid Incorporated Waterbury
Carbide Shape Dies Thomaston Tool & Die Co. (any form) Thomaston	Centrifugal Pumps Hameco Inc. (gasoline or electric driven) New Haven	Clock Mechanisms Lux Clock Mfg. Co., The Waterbury
Carbide Tools Atrax Company, The (solid) Newington Precision Tool & Die Co. Waterbury	Cermets Russell Mfg. Co. (for missiles, and for friction materials) Middletown	Clocks E. Ingraham Co., The Bristol United States Time Corporation, The Waterbury
Carbon Pile Type Resistors Engineered Metals Manchester	Chain Risdon Manufacturing Co., John M. Russell Div. Naugatuck Turner and Seymour Mfg. Co., The (weldless sash, jack, safety, furnace, universal, iron and cable) Torrington	Clocks—Alarm Lux Clock Mfg. Co., The Waterbury
Card Clothing Standard Card Clothing Co. The (for textile mills) Stafford Springs	Chain-Beaded Auto-Swage Products, Inc. Shelton Chain—Power Transmission and Conveying Whitney Chain Company Hartford Whitney Chain Co., The, Subsidiary of Foote Bros. Gear and Machine Corp. Hartford	Clocks—Automatic Cooking Lux Clock Mfg. Co., The Waterbury
Card Indexes Wassell Organization, Inc. Westport	Chairs The Hitchcock Chair Company Riverton	Clutches Snow-Nabstedt Gear Corp., The New Haven
Carpenter's Tools Sargent & Company (Planes, Squares, Plumb Bobs, Bench Screws, Clamps and Saw Vises) New Haven	Chemical Manufacturing Carwin Company, The North Haven	Clutch Facings Raybestos Division of Raybestos-Manhattan, Inc. (Molded, Woven, Semi-metallic and Full-metallic) Bridgeport Russell Mfg. Co. (rubber Shock Cord—all sizes and types) Middletown
Carpets and Rugs Bigelow-Sanford Carpet Co. Thompsonville	Chemicals Apothecaries Hall Company, Division The Hubbard Hall Chemical Company Waterbury	Coils—Electric Bittermann Electric Company Canaan Rowley Spring Co., Inc. The (Air-wound for television and electronic industries) Bristol
Carton Closure Equipment Better Packages, Inc. ("Tape-O-Matic," "Better Pack") Shelton	Axon-Cross Co. Shelton Carwin Company, The North Haven Fuller Brush Co., The (for cleaning and maintenance—cleaners, deodorants, detergents, disinfectants, dust absorbers and polishers) East Hartford	Coils—Pipe or Tube National Pipe Bending Co., The New Haven Whitlock Manufacturing Co., The Hartford
Casket Trimmings Bridgeport Casket Hardware Co., The Bridgeport	MacMaster Bicknell Company New Haven MacDermid Incorporated Waterbury Naugatuck Chemical Division United States Rubber Co. Naugatuck New England Lime Company Canaan Pfizer & Co., Inc., Chas. Groton United States Chemical Corp. New Haven	Coil Winding Advanced Electronics, Inc (custom) Rocky Hill
Casters Bassick Company, The (Industrial and General) Bridgeport	Chemicals—Agriculture Naugatuck Chemical Division United States Rubber Co. (insecticides, fungicides, weed killers) Naugatuck	Cold Molded Electrical Insulation Meriden Molded Plastics Meriden
Castings Commercial Foundry Co., The (brass, bronze, aluminum) New Britain Connecticut Foundry Co. (grey iron) Rocky Hill	Chemists—Analytical and Consulting Bridgeport Testing Laboratory, Inc. Bridgeport	Commercial Heat Treating A. F. Holden Company, The West Haven
Connecticut Malleable Castings Co. (malleable iron castings) New Haven	Christmas Light Clips Foursome Manufacturing Co. Bristol	Communication Systems Tel-Rad, Inc. Hartford
Ductile Iron Foundry, Inc. Stratford	Chromelum Plating Chromelum Corp. of America Waterbury Chromelum Process Company, The Shelton	Compacts Scovill Manufacturing Company (powder and rouge) Waterbury
Eastern Malleable Iron Company, The (malleable iron, metal and alloy) Naugatuck		Compressors Brunner Division of Dunham-Bush, Inc. (Refrigeration, Air Conditioning and Air Compressors) West Hartford
Farrel-Birmingham Company, Inc. (Meehanite Nodular Iron, Steel) Ansonia		Norwalk Company, Inc. (high pressure air and gas) South Norwalk
H. R. Engineering Laboratories, Inc. (centrifugal steel mold) East Haddam		Computers Reflection Electronics, Inc. Stamford Royal McBee Corp. Hartford
Malleable Iron Fittings Co., malleable iron and steel) Branford		Concrete Products Plasticrete Corp. Hamden, Hartford North Haven, Waterbury, Willimantic

CONNECTICUT PRODUCTS AND SERVICES

Cones Sonoco Products Co. (Climax-Lowell Div.) (paper) Mystic	Cord Sets—Electric General Electric Company Seeger-Williams, Inc. Bridgeport	Die Castings Mt. Vernon Die Casting Co. Peasley Products, Inc. (aluminum and zinc) Stamford
Connector Gorn Electric Co., Inc. (precision miniature electrical and printed circuit) Stamford	Cork Cots Sonoco Products Co. (Climax-Lowell Div.) Mystic	Stratford Newton-New Haven Co., Inc. New Haven Stewart Die Casting Div. Stewart-Warner Corp. Bridgeport
Construction Equipment Trailers Kensington Welding & Trailer Co., The Kensington	Corn Cob Meal Nelson & Sons, Inc., John R. (Graded) South Windsor	Die Casting Dies Eastern Machine Screw Corp., The New Haven
Consultants Robotham Co., The Edward W. (advertising & marketing) Westport	Correspondence Files Wassell Organization, Inc. Westport	Weimann Bros. Mfg. Co., The Derby
Consulting Engineers Stanley P. Rockwell Co., Inc. The (Consulting) Hartford	Corrugated Box Manufacturers Connecticut Container Corporation Corrugated Containers, Inc. New Haven	Die Heads—Self Opening Eastern Machine Screw Corp., The New Haven
Continuous Mill Gages Pratt & Whitney Co., Inc. West Hartford	Corrugated Shipping Cases Connecticut Container Corporation Continental Can Co. Fibre Drum and Corrugated Box Division D. L. & D. Container Corp. New Haven New Haven Board & Carton Co. New Haven	Geometric Tool Division Greenfield Tap & Die Corp. New Haven
Contract Machining Laurel Mfg. Co., Inc. (Precision Production Small Parts) Plainville Malleable Iron Fittings Company Branford McMellon Bros., Inc. (precision threaded parts) Bridgeport	Cosmetic Containers Dorset-Rex, Inc., Subsidiary of Landers, Frary & Clark Thomaston Fenn Mfg. Co., The (Precision Machine Works) Newington Greis Mfg. Co., The (Metal parts and as- semblies) New Haven	Die Sets Producto Machine Company, The Bridgeport Superior Steel Products Corp. (steel) Cheshire
Contract Manufacturers Advanced Electronics, Inc. Rocky Hill American Standard Products, Inc. Hartford Dorset-Rex, Inc., Subsidiary of Landers, Frary & Clark Thomaston Fenn Mfg. Co., The (Precision Machine Works) Newington Greis Mfg. Co., The (Metal parts and as- semblies) New Haven	Cosmetics Chesebrough-Pond's, Inc. Clinton Fuller Brush Co., The East Hartford	Dies Hoggson & Pettis Mfg. Co., The New Haven
Hartford Machine Screw Co., Div. of Standard Screw Co. Hartford Merriam Mfg. Co. (production runs—metal boxes and containers to specifications) Durham	Counting Devices Veeder-Root, Inc. Hartford	Mitrametric Co., The (the ground for gears) Torrington
Scovill Manufacturing Company (metal parts and assemblies) Waterbury J. H. Sessions & Son Bristol Sperry Products Co., Div. Howe Sound Co. Danbury	Couplings Scovill Manufacturing Company (garden and industrial hose) Waterbury	Pratt & Whitney Co., Inc. (thread cutting and thread rolling) West Hartford
Torrington Co., The Torrington Voss Co., The Branford	Cushioning for Packaging Gilman Brothers Co., The Gilman	Dies & Die Cutting Douglas Co., Geo. M. New Haven
Controllers Bristol Company, The Waterbury Manning Maxwell & Moore, Inc. Stratford	Cutters Atrax Company, The (solid carbide) Newington Hanson-Whitney Co., The (thread milling) Hartford Mitrametric Co., The (ground pinion) Torrington	Dielectric Heaters Radio Frequency Co., Inc. New Britain
Controls—Remote Panish Controls (Remote Controls for Ma- rine & Aeronautic Applications) Bridgeport	Pratt & Whitney Co., Inc. (Milling Cutters all types carbide and HSS) West Hartford	Displays Sansome Co., S. Frederick (design & prod- uction) Short Beach
Controls—Remote Hydraulic Sperry Products Co., Div. Howe Sound Co. Danbury	Cutting & Creasing Rule Bartholomew Co., H. J. Bristol	Display Containers National Folding Box Co. Div. Federal Paper Board Co., Inc. (folding paperboard) New Haven and Versailles
Converters DC to AC Electric Specialty Co. Stamford Safety Electrical Equipment Corp. New Haven	Data Processing Equipment Royal McBee Corp. Hartford	Displays—Design & Production Ad-Craft Displays, Inc. Bloomfield Stifel & Kutta New Britain
Conveyor Systems Leeds Conveyor Mfg. Co. The East Haven Production Equipment Co. Meriden	Decalcomanias Sirocco Screenprints New Haven	Display Equipment Polecats, Inc. Old Saybrook
Copper American Brass Corp., The (sheet, wire, rods, tubes) Waterbury Bristol Brass Corp., The (steel) Bristol Chase Brass & Copper Co. (sheet, rod, wire, tube) Waterbury Tinsheet Metals Co., The (sheet and rolls) Waterbury	Deep Drawings Stanley Pressed Metal New Britain Terryville Manufacturing Co. Terryville	Displays—Metal Durham Mfg. Co., The (Designing & Mfg. to customers' specifications) Durham Merriam Mfg. Co. (Contract Work to Indi- vidual Specifications) Durham Parsons Co., Inc., W. A. (custom designed) Durham
Copper Castings Knapp Foundry Company, Inc. Guilder	Deep Hole Drilling & Reaming Hamden Deep Hole Drilling Co. Hamden	Displays—Plastic Dura Plastics of New York, Inc. Westport
Copper Sand Castings Bridgeport Deoxidized Bronze Corp. Bridgeport	Delayed Action Mechanism M. H. Rhodes, Inc. Hartford R. W. Cramer Company, Inc., The Centerbrook	Displays—Wire J. C. Products, Inc. Higganum
Copper Sheets American Brass Company, The Waterbury New Haven Copper Co., The Seymour	Design Designers for Business and Industry (prod- uct design-appearance) New Haven Maurice Libson Designer (product styling & appearance design) New Haven	Diversification Advisors Wirth Management Company Wilton
Copper Shingles New Haven Copper Co., The Seymour	Diamonds—Industrial Parsons Diamond Products, Inc. West Hartford	Door Closers Sargent & Company New Haven
Copper Water Tube American Brass Company, The Waterbury	Russell, Inc., R. R. Newington	Doors Bilco Co., The (metal, residential and com- mercial) West Haven
Copying Machines Thermo-Fax Sales of Conn., Inc. New Haven	Diamond Tools Parsons Diamond Products, Inc. West Hartford	Dowel Pins Allen Manufacturing Co. The Bloomfield Hartford Machine Screw Co. Div. of Stan- dard Screw Co. Hartford
Cord Russell Mfg. Co., The (marine & aero shock) Middletown	Russell, Inc., R. R. Newington	Holo-Krome Screw Corp., The West Hartford Torrington Co., The Torrington
Dictating Machines Dictaphone Corporation Bridgeport	Dictating Machines SoundScriber Corporation, The New Haven	Drafting Accessories Joseph Merritt & Co. Hartford
Drill Presses Sigourney Tool Co. (sensitive drilling ma- chines) Bloomfield		Drawn Shells Cly-Del Manufacturing Co. Waterbury
Drilling Machines Pratt & Whitney Co., Inc. (Deep Hole) West Hartford		Drill Presses Sigourney Tool Co. (sensitive drilling ma- chines) Bloomfield
Drilling Service—Hard Steel Walton Co., The West Hartford		Drilling Machines Pratt & Whitney Co., Inc. (Deep Hole) West Hartford
Drilling and Tapping Units Hartford Special Machinery Co. Hartford		Drilling Service—Hard Steel Walton Co., The West Hartford
Drop Forgings Atwater Mfg. Co. Plantsville		Drilling and Tapping Units Hartford Special Machinery Co. Hartford
Billings & Spencer Co., The Hartford		Drop Forgings Atwater Mfg. Co. Plantsville
Consolidated Industries West Cheshire		Drop Forgings Billings & Spencer Co., The Hartford
Wilcox Crittenden & Co., Inc. Middletown		Drop Forgings Consolidated Industries West Cheshire

CONNECTICUT PRODUCTS AND SERVICES

Duplicating Machines Thermo-Fax Sales of Conn., Inc., New Haven	Electrical Controls Monarch Electric Co. (Allis Chalmers) New Britain	Envelopes Curtis 1000, Inc., United States Envelope Company Hartford Division
Duplicating Machines—Automatic Pratt & Whitney Co., Inc., West Hartford	Electrical Insulation Case Brothers, Inc., Manchester	Environmental Test Equipment American Research Corp., Farmington
Dust Collectors Colonial Blower Co., Plainville	Electrical Recorders Bristol Co., The Waterbury	Excelsior Nielsen & Sons, Inc., John R. South Windsor
Elastic Russell Mfg. Co. (rubber shock cord — all sizes and types) Middletown	Electrical Relays and Controls Allied Control Co., Plantsville	Executive Recruiting Advancement Opportunities Hartford
Electric Cables General Electric Company (for residential, commercial and industrial applications) Bridgeport	Electrical Switchboards Plainville Electrical Products Co., The Plainville	Explosives Ensign-Bickford Co., The (safety fuse, detonating fuse, blasting accessories) Simsbury
Rockbestos Wire & Cable Co. Div. Cerro de Pasco Corp. (asbestos insulated) New Haven	Electrical Wiring Systems Wiremold Co., The Hartford	Extensions—Tap Walton Co., The West Hartford
Electric Cord Springs Bristol Spring Manufacturing Co., Plainville	Electro Mechanical Prototypes Victor Tool & Mfg., Inc., Higganum	Extractors Walton Co., The (tap, pipe & stud) West Hartford
Electric Cords General Electric Company Bridgeport	Electronic Assemblies Advanced Electronics, Inc. (custom) Rocky Hill	Extraction Service Walton Co., The (taps, drills, studs) West Hartford
Rockbestos Wire & Cable Co. Div. Cerro de Pasco Corp. (asbestos insulated) New Haven	Electronic Parts Patent Button Company, The Waterbury	Extruders and Accessories Davis Electric Company (Ram Type Teflon Extruder) Wallingford
Electric Enclosed Switches Arrow-Hart & Hegeman Electric Co., The Hartford	Prentice Mfg. Co., The G. E. (stampings to customers' specifications) Kensington	Standard Machinery and Davis-Standard Divisions of Franklin Research Corp. Mystic
Electric Eye Control Ripley Company, Inc., Middletown	Terryville Manufacturing Co. (Stampings to customer specifications) Terryville	Eyelets American Brass Co., The Waterbury
Electric Fixture Wire Rockbestos Wire & Cable Co. Div. Cerro de Pasco Corp. (asbestos insulated) New Haven	Electronics Anderson Laboratories, Inc., West Hartford	Arro Eyelet & Tool Co. (small-printed circuit, brass & copper) Waterbury
Electric Hand Irons Winsted Hardware Mfg. Co. (trade mark "Durabit") Winsted	Ripley Co., Middletown	Cly-Del Manufacturing Waterbury
Electric Heating Elements Hartford Element Co., Hartford	Sturrup Larabee & Warmers, Inc., Middletown	Dorset-Rex, Inc., Subsidiary of Landers, Frary & Clark Thomaston
Electric Insulation Stevens Paper Mills, Inc., The Windsor	Vinco Electronics Corporation New Haven	Gem Machine & Tool Co., Waterbury
Electric Lighting Fixtures Wasley Products, Inc., Plainville	Electro-Mechanical Assemblies Advanced Electronics, Inc. (custom) Rocky Hill	Mark Eyelet & Stamping Co. (small-metal stampings) Wolcott
Electric Motor Controls Arrow-Hart & Hegeman Electric Co., The Hartford	Electroplating Coggins Mfg. Co., The J. B. Meriden	Platt Bros. & Co., The Waterbury
Electric Motor Winding Monarch Electric Co. (3 phase industrial motors) New Britain	Giering Metal Finishing, Inc., Hamden	Stevens Co., Inc., Waterbury
Electric Motor Repair B & J Electric Co., Ansonia	National Sherardizing & Machine Co., Hartford	Salem Mfg. Co., Prospect
Electric Motors Electric Specialty Co., Stamford	Waterbury Plating Company Waterbury	Eyelets, Ferrules and Wiring Terminals American Brass Company, The Waterbury
Harvey Hubbell Incorporated Bridgeport	Electroplating—Equipment & Supplies Apothecaries Hall Company Division Waterbury	Eyelet Machine Products American Brass Company, The Waterbury
Iona Manufacturing Company, The Manchester	Enthone, Inc., New Haven	Ball & Socket Mfg. Co., The West Cheshire
Monarch Electric Co. (Allis Chalmers) New Britain	Hubbard Hall Chemical Company, The Waterbury	Cold Forming Mfg. Co., The Waterbury
Safety Electrical Equipment Corp., New Haven	Lea Manufacturing Co., The Waterbury	Lakewood Metal Products, Inc. Waterbury
U. S. Electrical Motors, Inc., Milford	MacDermid, Incorporated Waterbury	Dorset-Rex Inc., Subsidiary of Landers, Frary & Clark Thomaston
Electric Switches Harvey Hubbell, Incorporated Bridgeport	Electroplating Processes and Supplies Enthone, Inc., New Haven	National Die Co., Inc., The Wolcott
Electric Time Controls Cramer Controls Corporation, The Centerbrook	Electrotyping Barnum-Hayward Electrotype Co., Inc., New Haven	Platt Bros. & Co., The Waterbury
Electric Wire Rockbestos Wire & Cable Co. Div. Cerro de Pasco Corp. (asbestos insulated) New Haven	Lockwood Sons, Inc., Wm. H. Hartford	Stevens Co., Inc., Waterbury
Electric Wiring Devices Arrow-Hart & Hegeman Electric Co., The Hartford	New Haven Electrotec Div. Electrographic Corp., New Haven	
Harvey Hubbell, Incorporated Bridgeport	Elevators Eastern Elevator Co. (passenger and freight) New Haven	Fabrics Russell Mfg. Co. (Teflon, Moulded Fabric, Bearing Surfaces, High Temperature Fabrics) Middletown
Electrical Appliances Iona Manufacturing Company, The Manchester	General Elevator Service Co., Hartford	Fan Blades Torrington Manufacturing Company, The Torrington
Electrical Conduit Fittings & Grounding Specialties Gillette-Vibber Company, The New London	Employment Agencies Administrative-Technical Personnel Service	Fans—Electric General Electric Company Bridgeport
Electrical Connectors Burndy Corporation Norwalk	Advancement Opportunities Hartford	Monarch Electric Co. (attic, industrial and ventilating) New Britain
Electric Control Apparatus Plainville Electrical Products Co., The Plainville	Burnham Employment Agency (executive, technical, secretarial) Hartford	Fasteners—Aircraft Scovill Manufacturing Company (PANELOC Aircraft Fasteners) Waterbury
	Rita, Richard P. Personnel Services, Inc., New Haven, Bridgeport & Hartford	Fasteners—Industrial Torrington Co., The Torrington
	Snelling & Snelling Hartford	Fasteners—Laundry Proof Scovill Manufacturing Company (GRIPPER snap fasteners) Waterbury
	Engineering Research & Development Designers, Inc., Middletown	Fasteners—Slide & Snap Scovill Manufacturing Company (GRIPPER zippers and GRIPPER snap fasteners) Waterbury
	Technical Design and Development Co., Inc. (design and drafting) Milford	Felt Auburn Manufacturing Company, The (mechanical, cut parts) Middletown
	Engineering Service Lacey Manufacturing Co., The Bridgeport	Drycor Felt Company (paper makers and industrial) Staffordville
	Atrax Company, The (solid carbide) Newington	Felt—All Purpose American Felt Co. (Mill & Cutting Plant) Glenville
	End Mills Atrax Company, The (solid carbide) Newington	Chas. W. House & Sons, Inc. (Mills & Unionville
	Engraving—Plastic and Nonferrous Metals New England Engraving Company Div. of Dura Plastics of New York, Inc., Westport	
	Pratt & Whitney Co., Inc. (carbide and HSS) Salisbury Products, Inc., West Hartford Lakeville	

CONNECTICUT PRODUCTS AND SERVICES

Fiber-glass Fabrication Davis Co., The E. J. West Haven	Forming Tools C. & S. Tool Co., Inc. Berlin	Grinding Machines Farrel-Birmingham Company, Inc. (Roll) Ansonia
Fibre Board Bird & Son, Inc. New Britain Case Brothers, Inc. Manchester Colonial Board Company Manchester C. H. Norton Co., The North Westchester Stevens Paper Mills, Inc., The Windsor	Forms Baker Goodyear Co. (Columnar and Analysis) Branford	Grinding Wheels Fuller Merriam Company, The West Haven
Fiberglass Products Fiberglass Products Eng. Co. South Norwalk	Foundries Connecticut Malleable Castings Co. (malleable iron castings) New Haven Derby Castings Company, The Seymour Ductile Iron Foundry, Inc. Stratford Malleable Iron Fittings Co. (Malleable Iron and Steel Castings) Branford	Grommets American Brass Company, The Waterbury Dorset-Rex, Inc., Subsidiary of Landers, Thomaston Frary & Clark
File Cards Standard Card Clothing Co., The Stafford Springs	New England Alloy Casting Corp. Hartford Plainville Casting Company (gray, alloy and high tensile irons) Plainville	Ground Plate Superior Steel Products Corp. Cheshire
Filing Equipment Wassell Organization, Inc. Westport	Producto Machine Company , The Bridgeport Turner & Seymour Mfg. Co., The (gray, iron, semi steel and alloy) Torrington	Guards Interstate Industrial Protection Co. (watchmen service) Bridgeport
Film Processing Machinery Filmline Corporation Milford	Union Mfg. Co. (gray iron & semi steel) New Britain	Hack and Band Saw Blades Capewell Manufacturing Co. Hartford
Filters—Fluid Aslop Engineering Co. Milford Cuno Engineering Corp., The Meriden	Wilcox Crittenden & Co., Inc. (iron, brass, aluminum and bronze) Middletown	Hair Hygiene Preparations Parker Herbox Corporation Stamford
Filter Media National Filter Media Corp. (cloth & paper) New Haven	Fountain Pens and Mechanical Pencils Waterman Pen Company, Inc. Seymour	Hammer and Axe Wedges Saling Manufacturing Company ("Sta-Fast" steel) Unionville
Finger Nail Clippers H. C. Cook Co., The Ansonia	Foundry Riddles John P. Smith Co., The New Haven	Hammers—Carpenters and Machinists Capewell Manufacturing Company Hartford
Firearms Colt's Patent Fire Arms Mfg. Co., Inc. Hartford Junior Screw Machine Products, Inc. West Haven Marlin Firearms Co., The New Haven O. F. Mossberg & Sons, Inc. New Haven	Four Slide Forms Peck Spring Co. Plainville	Hand Tools Billings and Spence Company (wrenches, sockets and shop tools) Hartford Bridgeport Hardware Mfg. Corp., The (screw drivers, wrenches, nail pullers, box & crate openers, pliers, saws, trowels & special forgings) Bridgeport
Fire Alarm Systems Fire-Lite Alarms, Inc. New Haven	Fuel Oil Pump and Heater Sets Peabody Engineering Corporation Stamford	Hardened and Ground Parts Hartford Machine Screw Company Div of Standard Screw Co. Hartford
Fire Hose Fabrics Fire Hose (municipal and industrial) Sandy Hook	Furnaces Rockwell Co., W. S. (Industrial) Fairfield	Hardness Testers Wilson Mechanical Instrument Div American Chain & Cable Company, Inc. Bridgeport
Fireplace Goods Puritan Fireplace Furnishing Co. Milford	Gage Blocks Pratt & Whitney Co., Inc. (Alloy steel and Carbide, Hooke and USA) West Hartford	Hardware Bassick Company, The (Automotive) Bridgeport
Fireworks M. Backes' Sons, Inc. Wallingford	Galvanizing Malleable Iron Fittings Co. Branford Wilcox Crittenden & Co., Inc. Middletown	Eagle Lock & Screw Co. Terryville
Flame Hardening Flame Treating & Engineering Co., The West Hartford	Garment Accessories Oakville Co., Div. Scovill Mfg. Co. Oakville	Gordon Associates Derby
Flashlights Bridgeport Metal Goods Mfg. Co. Bridgeport	Gaskets Auburn Manufacturing Company, The (from all materials) Middletown	Harlock Products Corp. New Haven
Flat Head Socket Screws Holo-Krome Screw Corp. West Hartford	Fitzgerald Manufacturing Co. Torrington	Sargent & Company New Haven
Flat Springs Bristol Spring Manufacturing Co. Plainville Genco Manufacturing Co., Inc. Southington	Raybestos Division of Raybestos-Manhattan, Inc. Bridgeport	Wilcox Crittenden & Co., Inc. (marine heavy and industrial) Middletown
Flatware—Stainless Steel Majestic Silver Co., The New Haven	Gaskets—Metallic Laminated Shim Company, Inc. Glenbrook	Yale & Towne Mfg. Co., The Stamford
Flexible Shaft Machines Pratt & Whitney Co., Inc. West Hartford	Gas Scrubbers, Coolers and Absorbers Peabody Engineering Corporation Stamford	Hardware—Marine & Bus Rostand Mfg. Co., The Milford
Floats Sansome Co., S. Frederick (parade) Short Beach	Gauges Bristol Co., The (pressure and vacuum-recording automatic control) Waterbury	Hardware—Trailer Cabinet Excelsior Hardware Co., The Stamford
Float Switches Gorn Electric Co., Inc. (for aircraft and commercial use) Stamford	Heilebold Gage Division American Chain & Cable Co., The (pressure and vacuum) Bridgeport	Hardware, Trunk & Luggage Corbin Cabinet Lock Div. American Hardware Corp. New Britain
Floor & Ceiling Plates Beaton & Cadwell Mfg. Co., The New Britain	J. & S. Machine Co., Inc. (End Measures, Cyl Plugs & Rings) Hartford	J. H. Sessions & Son Bristol
Fluorescent Lighting Equipment Wiremold Company, The Hartford	Manning Maxwell & Moore, Inc. Stratford	Yale & Towne Mfg. Co., The Stamford
Foam Rubber Armstrong Rubber Company, The West Haven	New Haven Trap Rock Co., The Machine Products Div (Johan Universal and Special Purpose Gauge) North Branford	Harrow Discs Scovil, Inc., D. & H. Higganum
Forgings Atwater Manufacturing Co. Plantsville Billings & Spencer Company Hartford Bridgeport Hardware Mfg. Corp., The Bridgeport	Pratt & Whitney Co., Inc. (Precision Measurement all types) West Hartford	Hats Hat Corporation of America (men's felt) South Norwalk
Capewell Manufacturing Company Hartford Chase Brass & Copper Co. Waterbury Consolidated Industries, Inc. West Cheshire Heppenstall Co. (all kinds and shapes) Bridgeport	Gears and Gear Cutting Farrel-Birmingham Company, Inc. Ansonia	Hat Machinery Doran Bros., Inc. Danbury
Ideal Forging Corp. Southington Scovill Manufacturing Company (Non-ferrous) Waterbury	Hameco, Inc. (electric, portable, gasoline driven) New Haven	Health Surgical & Orthopedic Supports Berger Brothers Company, The (custom made for back, breast and abdomen) New Haven
	Safety Electrical Equipment Corp. New Haven	Heaters Silent Glow Oil Burner Corp., The (portable oil) Hartford
	Macalaster Bicknell Company New Haven	Heat Elements Electroflex Heat, Inc. Hartford
	Glass Containers Feldman Glass Co., The New Haven	Safeway Heat Elements, Inc. (woven wire resistance type) Middletown
	Glass Cutters Fletcher-Terry Co., The Forestville	Heat Exchangers Whitlock Manufacturing Co. Hartford
	Grinding Farrel-Birmingham Company, Inc. (Roll and Cylindrical) Ansonia	Heat Sealing—Electronic Berger Bros. (vinyl-polyethylene) New Haven

CONNECTICUT PRODUCTS AND SERVICES

Heat Treating			
ABA Tool & Die Co.	Manchester		
Bennett Metal Treating Co., The	Elmwood		
Commercial Metal Treating Co.	Bridgeport		
Hartford Machine Screw Company	Hartford		
New Britain-Gridley Machine Division	New Britain		
The New Britain Machine Co.	New Britain		
New Haven Heat Treating Co., Inc.	New Haven		
Progressive Metal Treating (tool and production)	Bridgeport		
Skeene Co., Inc., The William A. (metals)	Bridgeport		
Skinner Chuck Co., The	New Britain		
Stanley P. Rockwell Co., Inc., The	Bridgeport		
Hartford (Advt.)	Hartford		
Heat Treating Salts and Compounds			
Barnes Co., The, Wallace Div. Associated Spring Corp.	Bristol		
Bauer & Company, Inc.	Hartford		
Rolock, Inc. (Retorts, Muffles, etc.)	Fairfield		
Stanley P. Rockwell Co., Inc., The (commercial)	Hartford		
Heat Treating Fixtures			
Rolock, Inc. (Trays, Baskets, etc.)	Fairfield		
Wiretex Mfg. Co., Inc.	Bridgeport		
Heat Treating Salts and Compounds			
Mitchell-Bradford Chemical Co.	Milford		
Heaters—Electric			
General Electric Company	Bridgeport		
Heating and Cooling Coils			
G & O Manufacturing Co.	New Haven		
Heating Elements			
Hartford Element Co.	Hartford		
Heavy Chemicals			
Naugatuck Chemical Division, United States Rubber Co. (sulphuric, nitric, and muriatic acids and aniline oil)	Naugatuck		
Hex-Socket Screws			
Allen Manufacturing Company, The	Bloomfield		
Bristol Company, The	Waterbury		
Hartford Machine Screw Co., Div. of Standard Screw Co.	Hartford		
High Frequency Alternators			
Electric Specialty Co.	Stamford		
Safety Electrical Equipment Corp.	New Haven		
Highway Guard Rail Hardware			
Malleable Iron Fittings Co.	Branford		
Hinges			
Homer D. Bronson Company	Beacon Falls		
Hobs and Hobnings			
Pratt & Whitney Co., Inc. (Die and Thread milling)	West Hartford		
Hobs			
Hanson-Whitney Co., The (fine pitch gear)			
Hoes			
Seovill, Inc., D. & H. (eye and grub)	Higganum		
Hoists and Trolleys			
Union Mfg. Company	New Britain		
Hooks & Eyes			
Oakville Co. Div., Seovill Mfg. Co.	Oakville		
Homogenizers			
Sonic Engineering Corp.	Stamford		
Honing			
K-F & D Mfg. Company, The	Manchester		
Hose Fittings			
Seovill Manufacturing Company (garden and industrial hose)	Waterbury		
Hose—Flexible Metallic			
American Brass Co., American Metal Hose Branch	Waterbury		
Johnson Metal Hose, Inc.	Waterbury		
Hose Supporter Trimmings			
Hawle Mfg. Co., The (So-Lo Grip Tabs)	Bridgeport		
Hospital Products			
Seamless Rubber Company	New Haven		
Hospital & Rehabilitation Equipment			
Polecats, Inc.	Old Saybrook		
Hydraulic Brake Fluids			
Els Automotive Co.	Middletown		
Hydraulic Components and Systems			
Vickers Incorporated Marine & Ordnance Dept.	Waterbury		
H.S. Form Tools			
Somma Tool Co. (for automatic screw machines)	Waterbury		
Hypodermic Needles			
Roehr Products Company	Waterbury		
Igniters			
Peabody Engineering Corporation (gas, electric or oil, electric)	Stamford		
Impregnating			
American Metasol, Inc. (metal, wood, etc.)	Hamden		
Incinerators			
Silent Glow Oil Burner Corp., The	Hartford		
Indexing Heads			
Hartford Special Machinery Co., (Hartford "Super-Spacers")	Hartford		
Induction Hardening			
Flame Treating & Engineering Co.	West Hartford		
Induction Heaters			
Radio Frequency Co., Inc.	New Britain		
Industrial Chrome Plating			
Mirror Polishing & Buffing Co.	Waterbury		
Industrial Coatings			
Aluminized Finish & Mfg. Co. (vacuum)	Cromwell		
Illuminized Finish Co. (vacuum)	Cromwell		
Industrial Design			
Van Dyck Associates (product appearance and engineering)	Westport		
Industrial Displays			
Sansone Co., S. Frederick (Designers, Builders and Counselors)	Short Beach		
Industrial Finishes			
Chemical Coatings Corporation	Rocky Hill		
Industrial Security			
Interstate Industrial Protection Co.	Bridgeport		
Industrial Tapes			
Seamless Rubber Company	New Haven		
Industrial Testing Services			
Sperry Products Co., Div. of Howe Sound Co.			
Ultrasonic, X-ray and magnetic particle	Danbury		
Infrared Detectors			
Barnes Engineering Co. (and systems)	Stamford		
Inks			
Waterman Pen Company, Inc.	Seymour		
Insecticides			
American Cyanamid Company	Waterbury		
Fuller Brush Co., The	East Hartford		
Inserts—Screw Threads			
Heli-Coll Corp.	Danbury		
Instalment Payment Books			
Wassell Organization, Inc.	Westport		
Insulated Wire & Cable			
General Electric Company (for residential commercial and industrial applications)	Bridgeport		
Kerite Company, The	Seymour		
Insulated Wire & Cable Machinery			
Davis Electric Company	Wallingford		
Instruments			
Bristol Company, The	Waterbury		
Manning Maxwell & Moore, Inc.	Stratford		
Penn Keystone Corporation	Derby		
Pratt & Whitney Co., Inc. (Precision Measuring)	West Hartford		
Sperry Products Co., Div. of Howe Sound Co.			
Ultrasonic flaw detection and thickness measurement	Danbury		
Terryville Manufacturing Co. (stampings for)	Terryville		
Intercommunication			
Action Systems Co.	Meriden		
Interval Timers			
Lux Clock Manufacturing Company	Waterbury		
Rhodes, Inc., M. H.	Hartford		
Jacquard Cards			
Case Brothers, Inc.	Manchester		
Japanning			
H. Sessions & Son	Bristol		
Jig Borer			
Atlantic Machine Tool Works, Inc. (Atlantic in several sizes)	Newington		
Linley Brothers Company	Bridgeport		
Moore Special Tool Co. (Moore)	Bridgeport		
Pratt & Whitney Co., Inc.	West Hartford		
Jigs, Fixtures & Gages			
Federal Machine & Tool Co.	Bristol		
Jig Grinder			
Moore Special Tool Co. (Moore)	Bridgeport		
Junior Automobiles			
Power Car Company	Mystic		
Key Blanks			
Sargent & Company	New Haven		
Labels			
Naugatuck Chemical Division, United States Rubber Co. (for rubber articles)	Naugatuck		
Label Dispensers			
Derby Sealers, Inc. (pressure-sensitive labels)	Derby		
Label Moisteners			
Better Packages, Inc. ("Counterboy" — "Packer")	Shelton		
Derby Sealers, Inc.	Derby		
Laboratory Equipment			
Eastern Industries, Inc.	New Haven		
Laboratory Supplies			
Macalaster Bicknell Company	New Haven		
Laces			
American Fabrics Company, The	Bridgeport		
Wilcox Lee Corporation, The	Middletown		
Lacquers & Synthetic Enamels			
Chemical Coatings Corporation	Rocky Hill		
I-Sis Chemicals, Inc.	Stamford		
Ladders			
Flint Co., A. W.	New Haven		
Lamp Products			
de Sherbinin Products, Inc.	W. N. Hawleyville		
Lampholders—Incandescent & Fluorescent			
General Electric Company	Bridgeport		
Lamp Shades			
Verplex Company, The	Essex		
Lathe Chucks			
Whiton Machine Co.	New London		
Lathe—Toolroom and Automatic			
Pratt & Whitney Co., Inc.	West Hartford		
Lead Plating			
Christie Plating Co., The	Groton		
Leather			
Herman Roser & Sons, Inc. (Genuine Pigskin)	Glastonbury		
Leather Dog Furnishings			
Andrew B. Hendryx Co., The	New Haven		
The Smith-Worthington Saddlery Co.	Hartford		
Leather, Mechanical			
Auburn Manufacturing Company, The	Middletown		
(packings, cubs, washers, etc.)			
Letterheads			
Lehman Brothers, Inc. (designers, engravers, lithographers)	New Haven		
Lighting Equipment			
Miller Co., The (Miller, Ivanhoe)	Meriden		
Lime			
New England Lime Company	Canaan		
Lipstick Cases			
Scovill Manufacturing Company	Waterbury		

CONNECTICUT PRODUCTS AND SERVICES

Lipstick Containers Bridgeport Metal Goods Mfg. Co.	Machinery—Cold Heading Waterbury Farrel Foundry & Machine Co., The, Division of Textron, Inc. Waterbury	Machines—Turks Head Fenn Mfg. Co., The Waterbury Farrel Foundry & Machine Co., The, Division of Textron, Inc. Waterbury
Dorset-Rex, Inc., Subsidiary of Landers, Frary & Clark Lakewood Metal Products, Inc. Waterbury	Machinery Dealers & Rebuilders Botwinik Brothers New Haven Bristol Metal Working Equipment East Hartford	Machines—Wire Drawing Fenn Mfg. Co., The Waterbury Farrel Foundry & Machine Co., The, Division of Textron, Inc. Waterbury
Lithography City Printing Co., The Connecticut Printers, Inc. Lehman Brothers, Inc. Muirson Label Co., Inc. O'Toole & Sons, Inc., T. Steinbach & Sons, A. D.	Conn. Machine Repair, Inc. New Haven J. L. Lucas and Son State Machinery Co., Inc. New Haven	Machining—Horizontal Boring Tucker Machine Co. New Haven
Locks—Builders Sargent & Company	Machinery—Extruding Standard Machinery and Davis—Standard Divisions of Franklin Research Corp., Mystic	Magnesium Sand Castings Peerless Aluminum Foundry Co., Inc. Bridgeport
Locks—Cabinet Excelsior Hardware Co., The	Machinery—Metal-Working Fenn Mfg. Co., The Waterbury Farrel Foundry & Machine Co., The, Division of Textron, Inc. Waterbury Pratt & Whitney Co., Inc. West Hartford	Management Consultants Administrative-Technical Personnel Service Hartford
Lock Nuts McMellon Bros., Inc.	Machinery—Nut Waterbury Farrel Foundry & Machine Co., The, Division of Textron, Inc. (forming and tapping) Waterbury	Management Counsel Wirth Management Company Wilton
Locks—Suitcase and Trimmings Excelsior Hardware Co., The	Machinery—Screw and Rivet Waterbury Farrel Foundry & Machine Co., The, Division of Textron, Inc. Waterbury	Manganese Bronze Ingot Whipple and Choate Company Bridgeport
Locks—Trunk Excelsior Hardware Co., The	Machinery—Wire Drawing Fenn Mfg. Co., The Waterbury Farrel Foundry & Machine Co., The, Division of Textron, Inc. Waterbury	Manicure Instruments W. E. Bassett Company, The Derby
Locks—Zipper Excelsior Hardware Co., The	Machinery—Wire Straightening Shuster Wire Machine Div., Mettler Ma- chine Tool Inc. New Haven	Manifold Forms Walters Business Forms, Inc. Bloomfield
Loom—Non-Metallic Wiremold Company, The	Waterbury Farrel Foundry & Machine Co., The, Division of Textron, Inc. Waterbury	Marine Equipment Wilcox-Crittenden Div., North & Judd Mfg. Co. Middletown
Lumber & Millwork Products City Lumber Co. of Bridgeport, Inc.	Machinery Rebuilding Conn. Machine Repair, Inc. Bridgeport	Marine Machines Essex Machine Works, Inc. (Propellers, Shafts, etc.) Essex
Machetes Collins Company, The	Machinery—Wire Straightening & Cutting Shuster Wire Machine Div., Mettler Ma- chine Tool, Inc. New Haven	Marine Reserve Gears Snow-Nabstdt Gear Corp. The New Haven
Machine Designers and Manufacturers Research & Development Designers, Inc.	Machines Allison-Campbell Div., American Chain & Cable Co., Inc. (abrasive cutting machines and wheels) Bridgeport	Marketing Counsel Brunelle Co., The Charles Hartford
Machine Shop Fabrication Advanced Electronics, Inc.	Shuster Wire Machine Div., Mettler Ma- chine Tool, Inc. (special new development engineering design and construction) Bridgeport	Market Studies and Reports Wirth Management Company Wilton
Machine Tools Farrel-Birmingham Company, Inc. Ansonia Pratt & Whitney Co., Inc. West Hartford Producto Machine Company, The	Machines—Automatic Chucking New Britain-Gridley Machine Division, The New Britain Machine Co. (multiple spindle and double end) New Britain Pratt & Whitney Co., Inc. (Potter & Johnson) West Hartford	Marketing Service Business Incubation Laboratory Wilton
Machine Work Banthin Engineering Co. Bridgeport Essex Machine Works, Inc. Essex Farrel-Birmingham Company, Inc. Ansonia (precision parts) Newington	Machines—Draw Benches Fenn Manufacturing Company, The Waterbury Farrel Foundry & Machine Co., The, Division of Textron, Inc. Waterbury	Marking Devices Cooney Engraving Co. Branford Hoggson & Pettis Mfg. Co., The Parker-Hartford Corporation (steel) New Haven
Machine Work Fuller Brush Co., The (precision contract work) East Hartford	Machines—Forming Nilson Machine Company, The, A. H. (four- slide wire and ribbon stock) Shelton	Marking Tools Parker-Hartford Corporation Hartford
Machine Work Hartford Special Machinery Co. (con- tract work only) Hartford	Machines—Paper Ruling John McAdams & Sons, Inc. Norwalk	Masonry Products Plasticrete Corp. Hamden, Hartford, North Haven, Waterbury, Willimantic
Machine Work McMellon Bros., Inc. (precision threaded parts) Bridgeport	Machines—Precision Boring New Britain-Gridley Machine Division, The New Britain Machine Co. New Britain	Materials Handling Parsons Co., Inc., W. A. (tote pans) Durham
Machine Work National Sheradizing & Machine Co. (job) New Haven Trap Rock Co., The, Machine Products Div. North Branford	Machines—Rolling Fenn Manufacturing Company, The Newington	Mats—Newspaper Lockwood Sons, Inc., Wm. M. Hartford
Machine Work Parker-Hartford Corporation Hartford Safety Electrical Equipment Corp. New Haven	Machines—Slotting Waterbury Farrel Foundry & Machine Co., The, Division of Textron, Inc. (screw head) Waterbury	Mattresses Waterbury Mattress Co. Waterbury
Machine Work Torrington Manufacturing Co., The (special rolling mill machinery) Torrington	Machines—Special Fenn Mfg. Co., The Newington	Metal Boxes Durham Mfg. Co. Durham
Machine Work Torrington Co., The Torrington	Waterbury Farrel Foundry & Machine Co., The, Division of Textron, Inc. (metal working) Waterbury	Metal Boxes and Displays Parsons Co., Inc., W. A. (tool kits) Durham
Machinery Conn. Machine Repair, Inc. (special mfg.) Davis Electric Company (Wire and Cable) Fenn Manufacturing Company, The (special) Newington	Machines—Swaging Fenn Mfg. Co., The, Newington	Metal Cleaners Apothecaries Hall Company Division, The Hubbard Hall Chemical Company Enthone, Inc. New Haven
Machinery Hallden Machine Company, The (mill) Torrington Manufacturing Co., The (mill) Waterbury Farrel Foundry & Machine Co., The, Division of Textron, Inc. (metal working) Waterbury	Waterbury Farrel Foundry & Machine Co., The, Division of Textron, Inc. (screw head) Waterbury	Metal Finishes Enthone, Inc. New Haven
Machinery—Automatic Banthin Engineering Company (new and rebuilt) Bridgeport	Machines—Thread Rolling Shuster Wire Machine Div., Mettler Ma- chine Tool Inc. New Haven	Metal Finishing Contract Plating Co., Inc. Stratford
Machinery—Automatic Feeding Technical Design and Development Co., Inc. Milford	Waterbury Farrel Foundry & Machine Co., The, Division of Textron, Inc. Waterbury	Hartford Industrial Finishing Co. Hartford
Machinery—Bolt and Nut Waterbury Farrel Foundry & Machine Co., The, Division of Textron, Inc. Waterbury	Machines—	National Sheradizing & Machine Co. Hartford
		Stamford Polishing & Plating Corp. Stamford
		Waterbury Plating Company Waterbury

CONNECTICUT PRODUCTS AND SERVICES

Metal Formings

Master Engineering Company West Cheshire
Oakville Co. Div., Scovill Mfg. Co. Oakville
Stanley Pressed Metal New Britain

Metallurgists

Bridgeport Testing Laboratory, Inc. Bridgeport

Metal Mouldings

Leed Co., The H. A. Hamden
Metal Powder Products

Norwalk Powdered Metals, Inc. Norwalk

Metal Products—Stampings

American Brass Company, The Waterbury
J. H. Sessions & Son Bristol
Scovill Manufacturing Company (Made-to-
Order) Waterbury
Stanley Pressed Metal New Britain

Metal Specialties

Excelsior Hardware Co., The Stamford
Torrington Co., The Torrington

Metal Spinning

Moseley Metal Crafts, Inc. West Hartford

Metal Stamping

American Brass Company, The Waterbury
Bettor Formed Metals, Inc. Waterbury
Cly-Del Manufacturing Co. Waterbury
Doo-Val Tool & Mfg., Inc. The Naugatuck

Dorset-Rex, Inc., Subsidiary of Landers,
Frary & Clark Thomaston

Excelsior Hardware Co., The Stamford
Greisler Mfg. Co., The New Haven
H. C. Cook Co., The Ansonia

Stanley Humason, Inc. Forestville
Mohawk Mfg. Co. (threaded) Middletown

North & Judd Mfg. Co. New Britain
J. A. Otterbein Company, The (metal
fabrics)

J. H. Sessions & Son Bristol
Patent Button Co., The Waterbury
Saling Manufacturing Co. Unionville

Stanheim Mfg. Co. Bristol
Terryville Manufacturing Co. Terryville

Wasley Products, Inc. Plainville
Waterbury Companies, Inc. Waterbury

Waterbury Lock & Specialty Co. The Milford

Meters—Gas

Sprague Meter Company Bridgeport

Meters—Parking

Rhodes, Inc., M. H. Hartford

Microfilming

American Microfilming Service Co. New Haven
Cine-Video Productions, Inc. Milford

Microfilm—Reader-Printer

Thermo-Fax Sales of Conn., Inc. New Haven

Micrometers

Slocum Co., The J. T. Glastonbury

Mill Machinery

Torrington Mfg. Co., The Torrington
Waterbury Farrel Foundry & Machine Co.
The, Division of Textron, Inc. Waterbury

Milling Machines

Pratt & Whitney Co., Inc. (Keller Tracer
—controlled Milling Machines) West Hartford

Mill Products

Scovill Manufacturing Co. (aluminum,
brass, bronze, nickel silver—sheet, rod,
wire, tube) Waterbury

Mill Supplies

Wilcox-Crittenden Div., North & Judd
Mfg. Co. Middletown

Millwork

Hartford Builders Finish Co. Hartford

Miniature Precision Connectors

Gorn Electric Co. Stamford

Minute Minders

Lux Clock Mfg. Co., The Waterbury

Mirror Rosettes and Hangers

Waterbury Companies, Inc. Waterbury

Missile Details

Tag Alloy Welding & Mfg. Co., Inc. (weld-
ments) Glastonbury

Mixing Equipment

Alsop Engineering Co. Milldale
Eastern Industries, Inc. New Haven

Model Work

B. & N. Tool & Engineering Co. (instru-
ments and timing devices) Thomaston

Models and Prototypes

Research & Development Designers, Inc.
Middletown

Mold Frames

Superior Steel Products Corp. Cheshire

Molded Fiberglass Products

Fiberglass Products Eng. Co. South Norwalk

Moldings—Powder Metal Materials

American Sinterings Div., Engineered
Plastics Watertown

Mops

Fuller Brush Co., The (wet and dry mops
and dusters) East Hartford

Motion Picture Equipment

Victor Animatograph Corp., a div. of Ka-
lart (16 mm. sound and silent projectors,
film splicers, and rewinders) Plainville

Motion Pictures

Cine-Video Productions, Inc. Milford

Motor Drives

Electronic Controls, Inc. adjustable speed)
Stamford

Motor—Generator Sets

Electric Specialty Co. Stamford
Safety Electrical Equipment Corp. New Haven

Motors—Electric Timing

Cramer Controls Corp., The Centerbrook

Motors Synchronous

Cramer Controls Corp., The Centerbrook

Electric Specialty Co. Stamford

Moulded Plastic Products

Butterfield, Inc. T. F. Naugatuck
U. S. Plastic Molding Corp. Wallingford
Waterbury Companies, Inc. Waterbury
Watertown Mfg. Co., The Watertown

Mouldings

Himmel Brothers Co., The (architectural,
metal and store front) Hamden

Moulds

Hoggston & Pettis Mfg. Co., The (steel)
New Haven

Name Plates

Cooney Engraving Co. Branford
Quality Name Plate, Inc. East Glastonbury
Seton Name Plate Co. (metal & plastic
name plates and identification tags)
New Haven

Napper Clothing

Standard Card Clothing Co., The (for tex-
tile mills) Stafford Springs

Nettings

Wilcox Lace Corp., The Middletown

Newspaper Mats

Lockwood Sons, Inc., Wm H. Hartford

New Product Consultants

Business Incubation Laboratory Wilton

Nickel Anodes

Apothecaries Hall Co., Div., The Hubbard
Hall Chemical Co. Waterbury
Seymour Mfg. Co., The Seymour

Nickel Silver

American Brass Company, The Waterbury
Plumie & Atwood Mfg. Co., The Thomaston
Waterbury Rolling Mills, Inc. (sheets,
strips, rolls) Waterbury

Nickel Silver Ingot

Whipple and Choate Co., The Bridgeport

Night Latches

Sargent & Company New Haven

Nitriding

Hartford Machine Screw Co. Hartford

Non-ferrous Metal Castings

Miller Company, The Meriden

Nuclear Details

Tag Alloy Welding & Mfg. Co., Inc. (weld-
ments) Glastonbury

Nuts, Bolts and Washers

Clark Brothers Bolt Co. Milldale
Hartford Machine Screw Co. Div. of
Standard Screw Co. Hartford
Torrington Co., The Torrington

Office Equipment

Pitney-Bowes, Inc. Stamford
Thermo-Fax Sales of Conn., Inc. New Haven
Underwood Corporation Hartford
Wassell Organization, Inc. Westport

Office Printing

Kellog & Bulkeley, A Div. of Connecticut
Printers, Inc. Hartford

Offset Printing

City Printing Co., The New Haven

Oil Burners

Miller Company, The (domestic) Meriden
Peabody Engineering Corp. (Mechanical or
Steam Atomizer) Stamford
Silent Glow Oil Burner Corp., The Hartford

Oil Tanks

Norwalk Tank Co. Div. Mersick Industries,
Inc. South Norwalk
Whitlock Mfg. Co., The Hartford

Oil—Cutting

Anderson Oil and Chemical Co., Inc.
Portland

Optical Comparator Charts

Research & Development Designers, Inc.
Middletown

Optical Instruments

Barnes Engineering Co. (and systems)
Stamford

Otis Woven Awning Stripes

The Falls Company Norwich

Ovens

Rockwell Co., W. S. (industrial) Fairfield

Ovens—Electric

Bauer & Company, Inc. Hartford

Packaging

Commerce Packaging Corporation (mili-
tary, commercial & export canning &
crating) Stamford

Packaging—Engineering

Commerce Packaging Corp. Stamford
Progressive Packaging Corp. (military &
commercial for domestic and export
packaging, canning, crating and ship-
ping) East Haven

Packaging & Packing

Commerce Packaging Corp. Stamford
Mercer & Stewart Co., The Hartford

Packing

Auburn Manufacturing Co., The (leather,
rubber, asbestos, fibre) Middletown
Raybestos Div. of Raybestos-Manhattan,
Inc. (Asbestos and Rubber Sheet)
Bridgeport

Padlocks

Sargent & Company New Haven
Waterbury Lock & Specialty Co., The Milford

Pads—Office

The Baker Goodyear Company Branford

Paints

Tredennick Paint Mfg. Co., The Meriden

Panelyte

Leed Co., The H. A. Hamden

Pants

Moore Special Tool Co. (crush wheel
dresser) Bridgeport

Paperboard

Continental Can Co., Boxboard and Fold-
ing Carton Division Montville
Federal Paper Board Co., Inc. New Haven
New Haven Board & Carton Co., The
New Haven Montville
Robertson Paper Box Co. Montville

CONNECTICUT PRODUCTS AND SERVICES

Paper Boxes		Pillow Blocks	
Atlantic Carton Corp. (folding)	Norwich	New Departure Div. of General Motors	Wallingford
National Folding Box Co., Div. of Federal Paper Board Co., Inc. (folding)	New Haven & Versailles	(ball)	Waterbury Companies, Inc.
Mills, Inc. H. J. Bristol	New Haven Board & Carton Co., The	Hartford	Watertown
Robertson Paper Box Co. (folding)	New Haven	Oakville Co. Div. Scovill Mfg. Co. (safety & straight)	Watertown
Paper Boxes—Folding and Setup		Star Pin Co., The (straight and safety)	Plastic Packages
Bridgeport Paper Box Co.	Bridgeport	Torrington Co., The (Dowel & Taper)	Robertson Paper Box Co., Inc. (plastic trays)
M. Backers' Sons, Inc.	Wallingford		Montville
Paper Clips		Pins	
H. C. Cook Co., The (steel)	Ansonia	CEM Company ("Spirol")	Danielson
Paper Fasteners		Hartford Machine Screw Co. Div. of Standard Screw Co.	Hartford
Oakville Co. Div. Scovill Mfg. Co.	Oakville	Oakville Co. Div. Scovill Mfg. Co. (safety & straight)	Oakville
Paper Mill Machinery		Star Pin Co., The (straight and safety)	Shelton
Farrel-Birmingham Company, Inc.	Ansonia	Torrington Co.	Torrington
Paper—Shredded		Pins—Common	
Nielsen & Sons, Inc. John R.	South Windsor	Dorset-Rex, Inc., Subsidiary of Landers, Frary & Clark	Thomaston
Paper Tubes and Cores		Union Pin Co., The	Winsted
Sonoco Products Co. (Climax-Lowell) Div.	Mystic	Pins—Plastic Heads	
Parallel Tubes		Union Pin Co., The	Winsted
Sonoco Products Co. (Climax-Lowell) Div.	Mystic	Pipe	
Parking Meters		American Brass Co., The (brass & copper)	Waterbury
Rhodes, Inc. M. H.	Hartford	Chase Brass & Copper Co. (red brass and copper)	Waterbury
Parts		Howard Co. (cement well and chimney)	New Haven
Hartford Machine Screw Co., Div. of Standard Screw Co.	Hartford	Pipe Fittings	
Scovill Manufacturing Company (ammunition, electric instrument, electrical appliance, fountain pen, instrument, lighting fixture, ordnance, etc.—blanked, stamped, formed, drawn, re-drawn, forged, screw machined, headed, pointed, finished)	Waterbury	Malleable Iron Fittings Co.	Branford
Torrington Co., The	Torrington	Pipe Organs	
Penlights		Austin Organs, Inc.	Hartford
Bridgeport Metal Goods Mfg. Co.	Bridgeport	Pipe Plugs	
Perfumes		Hartford Machine Screw Co. Div. of Standard Screw Co.	Hartford
Chesebrough-Pond's, Inc.	Clinton	Pipe Plugs—Socketed	
Personnel Consultants		Hartford Machine Screw Co. Div. of Standard Screw Co.	Hartford
Advancement Opportunities	Hartford	Pistols & Revolvers	
Snelling & Snelling	Hartford	Colt's Patent Fire Arms Mfg. Co., Inc.	Hartford
Wirth Management Company	Wilton	Plant Protection	
Personnel Recruiting		Interstate Industrial Protection Co.	Bridgeport
Administrative-Technical Personnel Service (executive)	Hartford	Plastic Blister Packaging	
Advancement Opportunities	Hartford	Commerce Packaging Corporation (ball bearings & small parts)	Stamford
Pet Furnishings		Plastic Bottles	
Andrew B. Hendrix Co., The	New Haven	Plax Corporation	Bloomfield
Phosphate Coating		Plastic Buttons	
Black Oxide, Inc.	New Britain	Frank Parizek Manufacturing Co., The	West Willington
Phosphor Bronze		Plastic Engraving	
American Brass Company, The	Waterbury	New England Engraving Co. Div. of Dura Plastics of New York, Inc.	Westport
Miller Company, The	Meriden	Salisbury Products, Inc.	Lakeville
Plume & Atwood Mfg. Co., The	Thomaston	Plastic Extruders	
Waterbury Rolling Mills, Inc.	(sheets, strips, rolls)	Danielson Mfg. Co., The (nylon and other engineering plastics)	Danielson
Phosphor Bronze Ingots		Jessall Plastics Div. of The Electric Storage Battery Co.	Kensington
Whipple and Choute Co., The	Bridgeport	Plastic Fabrication	
Photo Engraving		Dura Plastics of New York, Inc. Westport	Unionville
Dowd, Wyllie & Olson, Inc.	Hartford	New England Rack Co., Inc. (hood & duct systems, tanks, etc.)	Hamden
Wilcox Photo Engraving Co., Inc.	New Haven	Salisbury Products, Inc.	Lakeville
Photocopy Equipment and Supplies		Plastic Film & Sheet Materials	
Ludwig, Inc. F. G.	Old Saybrook	Gilman Brothers Co., The	Gilman
Photographic Equipment	Plainville	Plax Corporation	Bloomfield
Kalart Company, Inc.		Plastic Forming	
Piano Repairs		Dura Plastics of New York, Inc.	Westport
Pratt Read & Co., Inc. (keys and action)	Ivoryton	Plastic Lining Equipment	
Piano Supplies		Euthone, Inc.	New Haven
Pratt Read & Co. (keys and actions, backs, plates)	Ivoryton	Plastic Material	
Paper Boxes—Folding and Setup		Dura Plastics of New York, Inc. (sheet, rod & tube)	Westport
Bridgeport Paper Box Co.	Bridgeport	Plastic Molders	
M. Backers' Sons, Inc.	Wallingford	B & B Plastics, Inc.	Oakville
Plastic Boxes		Butterfield, Inc. T. F.	Naugatuck
Robertson Paper Box Co.	Montville	Coggins Mfg. Co., The J. B.	Meriden
Plastic Coatings		Conn. Plastics	Waterbury
Black Oxide, Inc.	New Britain	Danielson Mfg. Co., The (nylon and other engineering plastics)	Danielson
Plastic Film & Sheet Materials		Engineered Plastics, Inc.	Watertown
Wilcox Photo Engraving Co., Inc.	New Haven	Plastic Molding Corporation	Sandy Hook
Plastic Forming		Rogers Mfg. Co., The	Rockfall
Dowd, Wyllie & Olson, Inc.	Hartford	Specialty Plastics Corp. (custom)	Shelton
Wilcox Photo Engraving Co., Inc.	New Haven	Stanley Chemical Co., The	East Berlin
Plastic Lining Equipment		Polishing	
Plastic Material		C. & E. Metal Finishing Co.	Hartford
Plastic Molding		Mirror Polishing & Buffing Co.	Waterbury
Plastic Packaging		Postage Meters	
Plastic Pictures		Pitney Bowes, Inc.	Stamford
Plastic Products		Potentiometers—Electronic	
Plastic Tubing		Bristol Company, The	Waterbury
Plastic Wire Coating Materials		Power Wrenches	
Plastics		Cushman Chuck Co. (chucks)	Hartford
Plastics & Resins			
Plastics—Moulds & Dies			
Plasticrete Block			
Plasterers			
Plating			
Plating Equipment			
Plating Processes and Supplies			
Plating Racks			
Plumbers' Brass Goods			
Pneumatic Conveyors			
Pole Line Hardware			
Police Equipment			
Polishing			
Postage Meters			
Potentiometers—Electronic			
Power Wrenches			

CONNECTICUT PRODUCTS AND SERVICES

Precision Machining		
National Tool & Die Co.	Hartford	O'Toole & Sons, Inc., The
Precision Machine Tool Spindles		
Whitton Manufacturing Co. (for milling, grinding, boring & drilling)	Farmington	Ashop Engineering Co.
Precision Manufacturing		
American Standard Products, Inc. Hartford		Sonic Engineering Co.
Hartford Machine Screw Co., Div. of Standard Screw Co.	Hartford	Sump Pumps, Inc. (Deep-well electro-submersible)
Torrington Co., The	Torrington	
Precision Revolving Machinery		
Whitton Manufacturing Co.	Farmington	
Precision Sheet Metal Fabrication		
Milford Fabricating Co.	Milford	
Precision Springs & Wire Forms		
Rowley Spring Co., Inc. The	Bristol	
Premium Specialties		
Waterbury Companies, Inc.	Waterbury	
Preservatives—Wood, Rope, Fabric		
Whitworth Incorporated ("Cuprinol") ("Cellu-san")	Simsbury	
Pressboard		
Case Brothers, Inc. (genuine)	Manchester	
Case & Risley Press Paper Co. (genuine)	Oneoco	
Presses		
Farrel-Birmingham Co., Inc. (Hydraulic)	Ansonia	
Presses—Power		
Pneumatic Application Co. The (modernization of presses through conversion to Wichita Air Clutch operation)	Simsbury	
Waterbury Farrel Foundry & Machine Co., The, Div. of Textron, Inc.	Waterbury	
Pressure Vessels		
Norwalk Tank Co. Div. Mersik Industries, Inc.	South Norwalk	
Roleck, Inc.	Fairfield	
Whitlock Mfg. Co., The	Hartford	
Printing		
Allied Printing Service, Inc.	Manchester	
Bussmann Press, Inc.	New Haven	
City Printing Co., The	New Haven	
Connecticut Printers, Inc.	Hartford	
Fliday Brothers	Hartford	
Heminway Corporation, The	Waterbury	
Hildreth Press	Bristol	
Hunter Press	Hartford	
Lehman Brothers, Inc.	New Haven	
Miller-Johnson, Inc.	Moriden	
Taylor & Greenough Co., The	Wethersfield	
Typo Press and Lithographing	Bridgeport	
T. B. Simonds, Inc.	Hartford	
A. D. Steinbach & Sons	New Haven	
The Walker-Rackliff Company	New Haven	
Printing Machinery		
Banthin Engineering Co. (automatic)	Bridgeport	
Printing Plates		
Ads, Inc., Div. CSW Plastic Types, Inc. (matrix services)	Rocky Hill	
Lockwood Sons, Inc., Wm. H. Hartford		
Printing Rollers		
Chambers-Storek Company, Inc. The (engraved)	Norwich	
Printing—Silk Screen		
Ad-Craft Displays, Inc.	Bloomfield	
Production		
House Co., N. E. (Assembly, Stampings, Drilling & Tapping)	East Hampton	
Production Control Equipment		
Ripley Company, Inc.	Middletown	
Wassell Organization, Inc.	Westport	
Propellers—Aircraft		
Hamilton Standard Div. United Aircraft Corp. (propellers and other aircraft equipment)	Windsor Locks	
Protective Coatings		
Harrison Company, The A. S. (waxes)	South Norwalk	
Public Relations Counsel		
Brunelle Co., The Charles	Hartford	
Publicity Services		
Brunelle Co., The Charles Watson-Manning Advertising	Stratford	
Publishers		
O'Toole & Sons, Inc., The	Stamford	
Pumps		
Ashop Engineering Co.	Middletown	
Sonic Engineering Co.	Stamford	
Sump Pumps, Inc. (Deep-well electro-submersible)	Stamford	
Pumps—Small Industrial		
Eastern Industries, Inc.	New Haven	
Punches		
Hoggson & Pettis Mfg. Co., The (ticket & cloth)	New Haven	
Purchasing Service—Industrial		
Hartz-Miller Associates	Meriden	
Putty Softeners—Electrical		
Fletcher Terry Co., The	Forestville	
Pyrometers		
Bristol Co., The (recording and controlling)	Waterbury	
Radar Speed Meters		
Automatic Signal Div. Eastern Industries, Inc.	Norwalk	
Radiation—Finned Copper		
Bush Manufacturing Co.	West Hartford	
G & O Manufacturing Company, The	New Haven	
Vulcan Radiator Co., The (steel and copper)	Hartford	
Radiation Shielding Products		
Ray Proof Corporation	Stamford	
Radiators—Engine Cooling		
G & O Manufacturing Co.	New Haven	
Ratchet Offset Screw Driver		
Chapman Co., J. W.	Durham	
Rayon Staple Fiber		
Hartford Fibres Co., div. Bigelow	Sanford Co., Rocky Hill	
Reamers		
Atrax Company, The (solid carbide)	Newington	
Pratt & Whitney Co., Inc. (all types)	West Hartford	
Pratt & Whitney Co., Inc. (all types carbide and HSS)	West Hartford	
Reamers—Helical		
Gammoms-Hoaglund Co., The	Manchester	
Reamers—Machine		
Gammoms-Hoaglund Co., The	Manchester	
Reamers—Taper		
Gammoms-Hoaglund Co., The	Manchester	
Record Equipment		
Wassell Organization, Inc. (filling equipment)	Westport	
Recorders		
Bristol Co., The (automatic controllers, temperature, pressure, flow, humidity)	Waterbury	
Recording Machines		
Dictaphone Corporation	Bridgeport	
Reduction Gears		
Snow-Nabstedt Gear Corp., The	New Haven	
Reels—Wooden		
Bridge Mfg. Co., The (for wire and cable)	Hazardville	
Refractories		
Howard Company	New Haven	
Mullite Works Refractories Div. H. K. Porter Co., Inc.	Shelton	
Refrigeration		
Dunham-Bush, Inc.	West Hartford	
Refrigeration Condensing Units		
Brunner Division of Dunham-Bush, Inc.	West Hartford	
Refrigeration Service		
Hartford Refrigeration Service, Inc.	Hartford	
Relays		
Allied Control, Inc.	Plantsville	
Rental		
HB Motion Picture Service	New Haven	(audio-visual equip.—all types)
Research and Development		
Continental Engineering Corporation	Farmington	
Raymond Engineering Laboratories (Electro-Mechanical)	Middletown	
Research & Development Designers, Inc.	Middletown	
Sperry Products Co., Div. Howe Sound Co. (Ultrasonic)	Danbury	
Resistance Wire		
C. O. Jeliff Mfg. Co. (nickel chromium, copper nickel, iron chromium, aluminum)	Southport	
Kanathal Corporation, The	Stamford	
Respirators		
American Optical Company, Safety Products Division	Putnam	
Retainers		
Lacey Manufacturing Co., The (precision ball bearing)	Bridgeport	
Rigid Plastic Sheet Material		
Gilman Brothers Company, The	Gilman	
Riveting Machines		
Grant Mfg. & Machine Co., The	Bridgeport	
Linley Brothers Company	Bridgeport	
Patent Button Co., The (automatic)	Waterbury	
Ripley Company, Inc.	Middletown	
H. P. Townsend Manufacturing Co., The	Elmwood	
Rivets		
Clark Brothers Bolt Co.	Middletown	
Dorset-Rex, Inc., Subsidiary of Landers, Frary & Clark	Thomasaston	
Milford Rivet & Machine Co., The	Milford	
Raybestos Div. of Raybestos-Manhattan, Inc. (the brass and aluminum tubular and solid copper)	Bridgeport	
Raybestos Div. of Raybestos-Manhattan, Inc. (the iron)	Bridgeport	
Rivet Setting Machines		
Milford Rivet & Machine Co., The	Milford	
Rods		
American Brass Company, The (copper, brass, bronze)	Waterbury	
Bristol Brass Corp., The (brass and bronze)	Bristol	
Seavill Manufacturing Company (aluminum, brass, bronze, etc.)	Waterbury	
Rollers—Bituminous Paving		
Gaib Special Products Div. E. Horton & Son Company	Windsor Locks	
Rolled Shapes		
Cowles & Co., C. (and mouldings)	New Haven	
Roller Skate Wheels		
Raybestos Division of Raybestos-Manhattan, Inc.	Bridgeport	
Rolling Mills & Equipment		
Fenn Mfg. Co., The	Newington	
Precision Methods & Machines, Inc.	Waterbury	
Waterbury Farrel Foundry & Machine Co., The, Division of Textron, Inc.	Waterbury	
Rolls		
Farrel-Birmingham Company, Inc. (Chilled and Alloy Iron, Steel)	Ansonia	
Rotary Files		
Atrax Company, The (carbide)	Newington	
Routes		
Atrax Company, The (solid carbide)	Newington	
Rubber Chemicals		
Naugatuck Chemical Division United States Rubber Co.	Naugatuck	
Stamford Rubber Supply Co., The ("Facetite" Vulcanized Vegetable Oils)	Stamford	
Rubber Drug Sundries		
Seamless Rubber Company	New Haven	
Rubber Footwear		
Goodyear Rubber Co., The	Middletown	
Rubber Latex Compounds and Dispersions		
Naugatuck Chemical Division United States Rubber Co. (coating, impregnating and adhesive compounds)	Naugatuck	
Rubber Machinery		
Farrel-Birmingham Company, Inc.	Ansonia	

CONNECTICUT PRODUCTS AND SERVICES

Rubber—Molded Specialties		
Airex Rubber Prod. Corp.	Portland	
Associated Gaskets, Inc.	Bridgeport	
Bond Rubber Corporation	Derby	
Wasley Products, Inc.	Plainville	
Rubber Products		
Airex Rubber Prod. Corp.	Portland	
Rubber Printing Plates		
ADS, Inc., Div. CSW Plastic Types, Inc.	Hartford	
Lockwood Sons, Inc., Wm. H.	Hartford	
Rubber Products—Mechanical		
Associated Gaskets, Inc.	Bridgeport	
Auburn Mfg. Co., The (washers, gaskets, molded parts)	Middletown	
Rubber—Reclaimed		
Naugatuck Chemical Division United States Rubber Co.	Naugatuck	
Rubber Specialties		
Seamless Rubber Company	New Haven	
Rubberized Fabrics		
Duro-Gloss Rubber Co., The	New Haven	
Rubbers		
Naugatuck Chemical Div. U. S. Rubber Co. (synthetic rubbers and latex)	Naugatuck	
Rust Preventives		
Anderson Oil and Chemical Company, Inc.	Portland	
Enthone, Inc.	New Haven	
Rust Removers		
Enthone, Inc.	New Haven	
Saddlery		
The Smith-Worthington Saddlery Co.	Hartford	
Safety Belts		
Russell Mfg. Co.	Middletown	
Safety Clothing		
American Optical Company Safety Products Division	Putnam	
Safety Fuses		
Ensign-Bickford Co., The (mining & detonating)	Simsbury	
Safety Gloves and Mittens		
American Optical Company Safety Products Division	Putnam	
Safety Goggles		
American Optical Company Safety Products Division	Putnam	
Sales Promotion		
Langeler-Stevens, Inc.	Orange	
Salvage Service		
Walton Co., The (broken tools extracted)	West Hartford	
Saw Blades—Hack		
Capewell Mfg. Co., The	Hartford	
Saw Blades—Hack & Band		
Capewell Manufacturing Company Hartford Thompson & Son Co., The Henry G.	New Haven	
Saws, Band, Metal Cutting		
Atlantic Saw Mfg. Co.	New Haven	
Capewell Manufacturing Co., The Hartford	Hartford	
Saws—Hole		
Capewell Manufacturing Co., The Hartford Thompson & Son Co., The Henry G.	New Haven	
Sawdust		
Nelson & Sons, Inc., John R. (graded hardwood and softwood)	South Windsor	
Scissors		
Acme Shear Company, The	Bridgeport	
Screens		
Hartford Wire Works Co., The (Windows, Doors and Porches)	Hartford	
Norlie Aluminum Prod. Corp.	Bloomfield	
Screw Caps		
Wiemann Bros. Mfg. Co., The (small for bottles)	Derby	
Screw Machines		
H. P. Townsend Mfg. Co., The	Elmwood	
Screw Machine Products		
Accurate Screw Products, Inc. (B & S Swiss & Davenports)	Southington	
American Standard Products, Inc.	Hartford	
Apex Tool Co., Inc.	The Bridgeport	
Auto Electric Screw Machine Co., Inc.	Bridgeport	
Brown Manufacturing Co. (up to 1½" capacity)	Plainville	
Consolidated Industries	West Cheshire	
Eastern Machine Screw Corp., The	New Haven	
Fairchild Screw Products, Inc.	Winsted	
Franklin Screw Machine Co.	Hartford	
Garthwait Mfg. Co., A. E. (up to and incl. ½")	Waterbury	
Greist Mfg. Co., The (up to 1½" capacity)	New Haven	
Hartford Machine Screw Co. Div. of Standard Screw (up to 3" capacity)	Hartford	
Horberg Grinding Industries, Inc. (heat treated and ground type only)	Bridgeport	
Stanley Humason, Inc.	Forestville	
Independent Screw Company (up to and incl. 1½" capacity)	West Hartford	
Junior Screw Machine Products, Inc.	West Haven	
Lowe Mfg. Co., The (Wethersfield)	Wethersfield	
Main Screw Machine Products (davenport & automatic exclusively)	Waterbury	
Mayflower Manufacturing Co.	Unionville	
National Automatic Products Company, The	Berlin	
Nelson's Screw Machine Products	Plantsville	
New Britain Machine Company, The	New Britain	
New Haven Screw Machine Prods. Inc. (up to 1½" capacity)	Plainfield	
Newton Screw Machine Prods. Co.	Plainville	
Olson Brothers Company (up to ¾" capacity)	Plainville	
Olson & Sons, R. P.	Southington	
Products Design & Mfg. Corp. (precision)	Newington	
Seovill Manufacturing Company	Waterbury	
United Screw Machine Co.	Thomaston	
Waterbury Machine Tools & Products Co. (Brown & Sharpe and Davenport)	Waterbury	
Wheeler & Son, Inc., Frank	Meriden	
Screw Machine Tools		
American Cam Company, Inc. (Circular Form Tools)	Hartford	
Cambridge Specialty Co., Inc. (flat & circular form tools)	Kensington	
Quaker Tool (H.S. cir. form tools)	Waterbury	
Pratt & Whitney Co., Inc. (Reamers, Taps, Dies, Blades and Knurls)	West Hartford	
Screws		
Allen Mfg. Co., The	Bloomfield	
American Screw Company	Willimantic	
Atlantic Screw Works	Hartford	
Bristol Company, The (socket set and socket cap screws)	Waterbury	
Clark Bros. Bolt Co., Inc. (cap and lag)	Milldale	
Hartford Machine Screw Co. Div. of Standard Screw Co.	Hartford	
Seovill Manufacturing Co.	Waterbury	
Superior Manufacturing Co., The	Winsted	
Torrington Co., The	Torrington	
Screws—Socket		
Allen Manufacturing Co., The	Bloomfield	
Bristol Co., The	Waterbury	
Hartford Machine Screw Co. Div. of Standard Screw Co.	Hartford	
Screw Stock		
Driscoll Wire Co., The (steel)	Shelton	
Sealing Tape Machines		
Better Packages, Inc. ("Counterboy," "Tape-Shooter," "Big Inch")	Shelton	
Derby Sealers, Inc. (gummed and pressure-sensitive tapes)	Derby	
Screw Threads—Inserts		
Heli-Coll Corp.	Danbury	
Seals		
Russell Mfg. Co. (for oven doors and fire bulkheads)	Middletown	
Sewing Machines		
Greist Mfg. Co., The (Sewing Machine attachments)	New Haven	
Singer Manufacturing Co. The (Industrial)	Bridgeport	
Sharpeners		
Gorn Electric Co., Inc. (electric knife and scissors)	Stamford	
Shears		
Acme Shear Co., The (household)	Bridgeport	
Sheet Metal Products		
American Brass Co., The (brass and copper)	Waterbury	
Merriam Mfg. Co. (security boxes, fitted tool boxes, tackle boxes, displays)	Durham	
Parsons Co., Inc., W. A. (fabricators)	Durham	
Sheet Metal Stampings		
American Brass Co., The	Waterbury	
American Buckle Co., The	West Haven	
DooVal Tool & Mfg., Inc.	The Naugatuck	
Dorset-Rex, Inc., Subsidiary of Landers, Frary & Clark	Thomaston	
J. H. Sessions & Son	Bristol	
Scovill Manufacturing Co. (aluminum, brass, bronze, copper, nickel silver, steel and other metals and alloys)	Waterbury	
Terryville Manufacturing Co.	Terryville	
Sheet Steel		
Dolan Steel Co., Inc.	Bridgeport	
Shell Cores		
Victors Brass Foundry, Inc.	Guilford	
Shell Molding		
Victors Brass Foundry, Inc.	Guilford	
Shells		
Lakewood Metal Products, Inc. (all metals)	Waterbury	
Salem Mfg. Co.	Prospect	
Scovill Manufacturing Co. (aluminum, brass, bronze, copper, nickel silver—drawn, stamped—electric socket, screw)	Waterbury	
Terryville Manufacturing Co.	Terryville	
Wolcott Tool and Manufacturing Co., Inc.	Waterbury	
Showcase Lighting Equipment		
Wiremold Company, The	Hartford	
Signals		
H. C. Cook Co., The (for card files)	Ansonia	
Signs		
Ad-Craft Displays, Inc. (all types, quantity only)	Bloomfield	
Leonard Sign Co. (neon & factory identification)	Hartford	
Silk Screen Process Printing		
Ad-Craft Displays, Inc.	Bloomfield	
Norton Co., R. H.	New Haven	
Sirocco Screen prints	New Haven	
Stiefel & Kutta, Inc.	New Britain	
Silk Screening on Metal		
Ad-Craft Displays, Inc.	Bloomfield	
Merriam Mfg. Co. (Displays and Specialties to order)	Durham	
Silverware		
Wallace Silversmiths, Inc.	Wallingford	
Simulators		
Reflectone Electronics, Inc.	Stamford	
Sintered Metal Products		
American Sintering Div. of Engineered Plastics, Inc. (Powder Metal Parts)	Watertown	
Raybestos Div. of Raybestos-Manhattan, Inc.	Bridgeport	
Sizing and Finishing Compounds		
American Cyanamid Co.	Waterbury	
Slide Fasteners		
G. E. Prentice Mfg. Co., The	Kensington	
Scovill Mfg. Co. (GRIPPER zippers)	Waterbury	
Smoke Stacks		
Norwalk Tank Co. Div. Mersick Industries, Inc.	South Norwalk	
Snap Fasteners		
Patent Button Co., The	Waterbury	
Scovill Mfg. Co. (GRIPPER snap fasteners)	Waterbury	
Snapshot and Continuous Forms		
Connecticut Printers, Inc.	Hartford	
Soap		
Fuller Brush Co., The (personal, household and industrial)	East Hartford	
Socket Cap Screws		
Holo-Krome Screw Corp.	West Hartford	
Socket Pipe Plugs		
Holo-Krome Screw Corp.	West Hartford	

CONNECTICUT PRODUCTS AND SERVICES

Socket Screw Keys Holo-Krome Screw Corp. West Hartford	Springs—Wire Banner Spring Corporation Hartford	Steel Rolling Rules Waterbury Lock & Specialty Co. The Milford
Socket Set Screws Holo-Krome Screw Corp. West Hartford	Barnes Co., The Wallace Div. Associated Spring Corp. Bristol	Steel—Stainless Alloy and Carbon Frasse & Co., Inc., Peter A. Hartford
Socket Shoulder Screws Holo-Krome Screw Corp. West Hartford	Bristol Spring Mfg. Co. Plainville	Steel Stamps Cooney Engraving Co. Branford
Sound Equipment Vince Electronics Corp. New Haven	Colonial Spring Corp., The Hartford	Stereotypes New Haven Electrotype Div. Electrographic Corp. New Haven
Spanner Nuts McMellon Bros., Inc. Bridgeport	Connecticut Spring Corp., The (compression, extension, torsion) Hartford	Stop Clocks, Electric H. C. Thompson Clock Co. The Bristol
Special Machinery Bauthin Engineering Co. (complete and/or parts) Bridgeport	Foursome Manufacturing Co. Bristol	Storage Batteries R. A. E. Storage Battery Mfg. Co. Glastonbury
Farral-Birmingham Co., Inc. Ansonia	Stanley Humason, Inc. Forestville	
Federal Machine & Tool Co. Bristol	Newcomb Spring Corp., The Southington	
Fenn Mfg. Co., The Newington	New England Spring Mfg. Co. Unionville	
Hartford Special Machinery Co., The Hartford	Peck Spring Co. Plainville	
H. P. Townsend Mfg. Co., The Elmwood	D. R. Templeman Co. (coil and torsion) Plainville	
Lacey Mfg. Co., The Bridgeport		
National Sheradizing Machine Co. (mandrels & stock shells for rubber industry) Hartford		
Tucker Machine Co. New Haven		
Special Machining Superior Steel Products Corp. Cheshire		
Special Parts American Standard Products, Inc. Hartford	Springs—Wire Everett Co., Inc. (coil and torsion) New Britain	
Fenn Mfg. Co., The Newington	Terry Spring Company Terryville	
Grelst Mfg. Co., The (small machines, especially precision stampings) New Haven		
Hartford Machine Screw Company Div. of Standard Screw Co. Hartford	Springs, Wire & Flat Peck Spring Co. Plainville	
J. H. Sessions & Son Bristol		
Torrington Co., The Torrington	Stamped Metal Products American Brass Co., The Waterbury	
Specialties—Wire J. C. Products, Inc. Higganum		
Spline Milling Machines Townsend Mfg. Co., The HP Elmwood	Stampings DooVal Tool & Mfg. Inc., The Naugatuck	
Sporting Goods Seamless Rubber Co. New Haven	Dorset-Rex, Inc., Subsidiary of Landers, Frary & Clark	
Spotwelding Spotwelders, Inc. (aluminum, steel, magnesium, titanium & alloys) Stratford	Laminated Shim Co., Inc. Glenbrook	
Spouts Waterbury Companies, Inc. (for Lighter Fluids and Light Oils) Waterbury	Foursome Manufacturing Co. Bristol	
Spray Painting Stamford Polishing & Plating Corp. Stamford	Lacey Mfg. Co., The (precision sheet metal) Bridgeport	
Spray Painting Equipment & Supplies Lea Manufacturing Co., The Waterbury	Prentice Mfg. Co., The G. E. Kensington	
Spring Coiling Machines Torrington Mfg. Co., The Torrington	Scovill Mfg. Co. (aluminum, brass, bronze, copper, nickel silver, steel and other metals and alloys—automotive, electrical, radio, etc.—deep drawn, enameled)	
Spring Presses Townsend Mfg. Co., The H. P. Elmwood	Stanley Pressed Metal Waterbury	
Spring Units Owen Silent Spring Div. American Chain & Cable Company, Inc. Bridgeport	Stampings—Small Acme Shear Co., The Bridgeport	
Spring Washers Barnes Co., The Wallace Div. Associated Spring Corp. Bristol	Barnes Co., The Wallace Div. Associated Spring Corp. Bristol	
Terryville Manufacturing Co. Terryville	Barrett Co., William L. Bristol	
Springs CE-JA Springs, Inc. (coil & torsion) Newington	Bristol Spring Mfg. Co. Plainville	
Springs—Coil & Flat Barnes Co., The Wallace Div. Associated Spring Corp. Bristol	Grelst Mfg. Co., The New Haven	
Barrett Co., William L. Bristol	Laminated Shim Company, Inc. Glenbrook	
Bristol Spring Mfg. Co. Plainville	Stanley Humason, Inc. Forestville	
Foursome Mfg. Co. Bristol	Waterbury Companies, Inc. Waterbury	
Newcomb Spring Corp., The Southington	Wire Form, Inc. Milldale	
New England Spring Mfg. Co. Unionville		
Peck Spring Co., The Plainville		
Stanley Humason, Inc. Forestville		
Springs—Flat Atlantic Precision Spring Co. Forestville	Stamps Ball-Adam Steel Stamp Co. (steel) New Britain	
Barnes Co., The Wallace Div. Associated Spring Corp. Bristol	Hoggson & Pettis Mfg. Co. The (steel) New Haven	
Bristol Spring Mfg. Co. Plainville	Parker-Hartford Corp. (steel) Hartford	
Foursome Manufacturing Co. Bristol	Schwab & Company (steel) Bridgeport	
Stanley Humason, Inc. Forestville		
Steel—Cold Rolled Spring Barnes Co., The Wallace Div. Associated Spring Corp. Bristol	Stamped Assemblies Cowles & Co., C. New Haven	
Comeo, Inc. Div. of Enthone, Inc. (steel, alloy and lined) New Haven		
Connecticut Welders, Inc. (steel, alloy & lined) Wallingford		
Enthone, Inc. New Haven		
Norwalk Tank Co. Div. Mersick Industries, Inc. South Norwalk		
Roleck, Inc. (Alloy) Fairfield		
Storts Welding Co. (steel and alloy) Meriden		
Steel—Cold Rolled Stainless Seymour Mfg. Co., The Seymour	Steel Castings Malleable Iron Fittings Co. Branford	
Ulbrich Stainless Steels Wallingford	New England Alloy Casting Corp. (carbon, low alloy and stainless steel castings) Hartford	
Wallingford Steel Company Wallingford	Nutmeg Crucible Steel Co. Branford	
Steel—Cold Rolled Strip Detroit Steel Corporation Hamden		
Steel—Cold Rolled Strip and Sheets Wallingford Steel Company Wallingford		
Steel Flanges Ideal Forging Corp. (stainless) Southington		
Steel Goods Merriam Mfg. Co. (sheets products to order) Durham		
Steel—Ground Flat Stock Thompson & Son Co., The Henry G. New Haven		
(Advt.)		

CONNECTICUT PRODUCTS AND SERVICES

Tap Extractors Walton Co., The (and extensions) West Hartford	Timing Devices & Time Switches A. W. Haydon Co., The Lux Clock Mfg. Co. M. H. Rhodes, Inc.	Tubing American Brass Co., The (brass & copper) Waterbury
Tarred Lines Brownell & Co., Inc. Moodus	Tinning Thinsheet Metals Co., The (non-ferrous metals in rolls) Wilcox-Crittenden Div. North & Judd Mfg. Co.	G & O Manufacturing Co. (finned) New Haven
Technical Writing Watson-Manning Advertising Stratford	Tissue Sanitary Paper Mills, Inc. (Dovelettes facial, bathroom and handkerchiefs) East Hartford	Scovill Mfg. Co. (Brass and Copper) Waterbury
Telemetering Instruments Bristol Co., The Waterbury	Tires Armstrong Rubber Co., The West Haven	Wallingford Steel Co., The (stainless and super metals) Wallingford
Television—Radio Junior Screw Machine Products, Inc. West Haven	Toiletries Chesebrough-Pond's, Inc. Clinton	Tubing—Carbon and Stainless Steel Frasse & Co., Inc., Peter A. Hartford
Temperature Controllers Electronic Controls, Inc. Stamford	Tool Chests Vanderman Mfg. Co., The Willimantic	Tubing—Flexible Metallic American Brass Co., Metal Hose Branch Waterbury
Terminals Waterbury Companies, Inc. Waterbury	Tool Hardening Commercial Metal Treating Co., Bridgeport	Tubing—Heat Exchanger American Brass Co., The Waterbury
Testers—Insulation Wire & Cable Davis Electric Company Wallingford	Tools B & N Tool & Engineering Co. (dies, jigs, fixtures, sub-press and progressive) Hoggson & Pettis Mfg. Co., The (rubber workers) 141 Brewery St. New Haven	Tumbling Barrels and Accessories Nielsen & Sons, Inc., John R. South Windsor
Testers—Nondestructive, Ultrasonic Branson Instrument, Inc. Stamford	Tool Designers Research & Development Designers, Inc. Middletown	Tumbling Equipment and Supplies Esbec Barrel Finishing Corp. Byram
Sperry Products Co., Div. of Howe Sound Co. (Ultrasonic, X-ray and magnetic particle) Danbury	Tools & Dies Metropolitan Tool & Die Lacey Mfg. Co., The Moore Special Tool Co.	Tumbling Service Esbec Barrel Finishing Corp. Meriden
Testing American Metasol, Inc. (pressure) Hamden	Tools, Dies & Fixtures Greist Mfg. Co., The New Haven	Turntables Macton Machinery Co., Inc. (industrial & display) Stamford
Testing Services Sperry Products Co., Div. of Howe Sound Co. (Ultrasonic, X-ray and magnetic particle) Danbury	Tools, Dies, Jigs & Fixtures Fairfield Tool Co., Inc., The Lyons Tool & Die (modelwork, jig boring)	Typewriters Royal McBee Corp. Underwood Corporation
Textile Printing Gums Polymer Industries, Inc. Springdale	Otterbein Co., J. A. RSV Engineering Co., (gages) Telke Tool & Die Mfg. Co.	Typewriter Ribbons and Supplies Royal McBee Corp. and Bridgeport
Textile Processors Amerelle Corporation Rockville	Tools, Fixtures, Gauges Fredericks Tool Co., J. F. West Hartford	Underclearer Rolls Sonoco Products Co. (Climax-Lowell Div.) Mystic
Thermometers Bristol Co., The (recording and automatic control) Manning Maxwell & Moore, Inc. Stratford	Totalizers Reflectone Electronics, Inc. Stamford	Uniforms Magson Uniform Co. Kensington
Thin Gauge Metals Plume & Atwood Mfg. Co., The Thomaston Thinsheet Metals Co., The (plain or tinned in rolls) Waterbury	Toys Geo. S. Scott Mfg. Co., The Gilbert Co., The A. C. Gong Bell Mfg. Co. N. N. Hill Brass Co., The Terryville Mfg. Co. (stampings for) U. S. Plastic Molding Corp. Waterbury Companies, Inc.	Ultrasonic Equipment Barris Transducer Corp., Sub. of General Instrument Corp. Branson Ultrasonic Corp.
Thread American Thread Co., The Bedding Heminway Corticelli Putnam	Traffic Signal Controls Automatic Signal Div. Eastern Industries, Inc.	Underwater Equipment Seamless Rubber Co. New Haven
Threading Products Design & Mfg. Corp. Newington	Transformers Monarch Electric Co. (Allis Chalmers)	Universal Joints Gray and Prior Machine Co. (for machinery) Hartford
Thread Chasers Geometric Tool Div., Greenfield Tap & Die Corp. New Haven	Trucks—Commercial Metropolitan Body Company (International Harvester Truck chassis and "Metro" bodies)	V-Belt Drives Monarch Electric Co. (Allis Chalmers) New Britain
Thread Gages Hanson-Whitney Co., The Pratt & Whitney Co., Inc. West Hartford	Truck—Lift Excelsior Hardware Co., The Stamford	Vacuum Bottles and Containers American Thermos Products Co. Norwich
Thread Milling McMellon Bros. Inc. Bridgeport	Trucks—Skid Platforms Excelsior Hardware Co., The (lift) Stamford	Vacuum Cleaners Electrolux Corp. Spencer Turbine Co., The
Thread Milling Machines Pratt & Whitney Co., Inc. West Hartford	Tube Clips Welmann Bros. Mfg. Co., The (for collapsible tubes)	Vacuum Coating Illuminated Finish Co. Cromwell
Thread Repair Kits Holl-Coll Corp. Danbury	Tube Fittings Scovill Manufacturing Co. (UNIFLARE flared tube and LOXIT compression tube)	Vacuum Metallizing Aluminized Finish & Mfg. Co. Cromwell
Thread Rolling Machinery Hartford Special Machinery Co. (flat die) Hartford Shuster Wire Machine Div. Mettler Machine Tool, Inc. New Haven Waterbury Farrel Foundry & Machine Co., The, Div. of Textron, Inc. Waterbury	Trucks—Commercial Standard Machinery and Davis-Standard Divisions of Franklin Research Corp.	Valves Jenkins Bros. Rockwell Co., W. S. (Butterfly) Fairfield
Threading Machines Grant Mfg. & Machine Co., The (double end automatic) Bridgeport	Tube Fittings Standard Machinery and Davis-Standard Divisions of Franklin Research Corp.	Valves—Aircraft Bridgeport Thermostat Div. Robertshaw-Fulton Controls Co.
Timers, Interval A. W. Haydon Co., The H. C. Thompson Clock Co., The Bristol Cramer Controls Corp., The Centerbrook Rhodes, Inc., M. H. Hartford	Tubers Standard Machinery and Davis-Standard Divisions of Franklin Research Corp.	Valves—Relief & Control Beaton & Caldwell Mfg. Co. New Britain
Timing Devices B & N Tool & Engineering Co. (development and model work) Cramer Controls Corp., The A. W. Haydon Co., The Lux Clock Mfg. Co. Rhodes, Inc., M. H. United States Time Corp., The	Tubes Waterbury	Valves—Safety & Relief Manning Maxwell & Moore, Inc. Stratford
Timing Devices B & N Tool & Engineering Co. (development and model work) Cramer Controls Corp., The A. W. Haydon Co., The Lux Clock Mfg. Co. Rhodes, Inc., M. H. United States Time Corp., The	Tubes—Collapsible Metal Sheffield Tube Corp., The New London	Valves—Solenoid Allied Control Co., Inc. Dorset-Rex, Inc., Subsidiary of Landers, Frary & Clark Scovill Mfg. Co.
		Vanity Boxes Bridgeport Metal Goods Mfg. Co. Dorset-Rex, Inc., Subsidiary of Landers, Frary & Clark Scovill Mfg. Co.

CONNECTICUT PRODUCTS AND SERVICES

Velvets

American Velvet Co. (owned and operated by A. Wimpfheimer & Bros., Inc.) Stonington
Leiss Velvet Mfg. Co., Inc., The Willimantic

Venetian Blinds

Findell Mfg. Co. Manchester
Jennings Co., The S. Barry New Haven

Ventilating Systems

Colonial Blower Co. Plainville

Vibration Detection Equipment

Advanced Electronics, Inc. Rocky Hill

Vibrators—Pneumatic

Branford Co., The (industrial) New Britain
Vinyl Extrusion & Moulding Compounds
Electronic Rubber Co. Stamford

Vise Fixtures

Dery & Sons Tool & Die Co., A. L. Pine Meadow

Vise Jaws

Dery & Sons Tool & Die Co., A. L. (gang with loading trays) Pine Meadow

Vises

Fenn Manufacturing Co., The (Quick-Action Vises) Newington
Vanderman Mfg. Co., The (Combination Bench Pipe) Willimantic

Wall Paper

Stamford Wall Paper Co., Inc. Stamford

Washers

American Felt Co. (felt) Glenville
Auburn Mfg. Co., The (all materials) Middletown
Fabricon Corp. Unionville
Terryville Mfg. Co. (Made to order—all metals) Terryville

Washers—Felt

Chas. W. House & Sons, Inc. (Mills & Cutting Plant) Unionville

Watches

E. Ingraham Co., The Bristol
United States Time Corp., The Waterbury

Washers—Precision

Laminated Shim Company, Inc. Glenbrook

Water Detonizers

Penfield Mfg. Co. Meriden

Water Heaters

Whitlock Mfg. Co., The (instantaneous & storage) Hartford

Water Heaters—Electric

Bauer & Company, Inc. Hartford

Waxes

Fuller Brush Co., The (liquid and paste for floor and furniture) East Hartford
Harrison Company, The A. S. (and other protective coatings) South Norwalk

Webbing

Russell Mfg. Co. (Webbing for Safety Seat Belts—all types of webbing) Middletown

Welded Products

Aeme Welding Div. United Tool & Die Co. West Hartford

Welding

Aircraft Welding & Mfg. Co., Inc. (aluminum, stainless steel, magnesium) Hartford

Ansonia Steel Fabrication Co., Inc. (steel, stainless steel and aluminum fabrication) Ansonia

Connecticut Welders, Inc. (fabrication & repairs) Wallingford

Industrial Welding Co. (Equipment Manufacturers—Steel Fabricators) Hartford

Storts Welding Company (tanks, coils & cation) Meriden

Tag Alloy Welding & Mfg. Co., Inc. (nuclear, missile and aircraft type) Glastonbury

Welding—Lead

Connecticut Welders, Inc. (tanks & coils) Wallingford
Lead Products, Inc. (tanks & fabrication) Manchester
Storts Welding Company (tanks, coils & anodes) Meriden

Welding—Lead Bricks
Lead Products, Inc. Manchester

Welding Rods
American Brass Co., The Waterbury
Bristol Brass Co., The (brass & bronze) Bristol

Welding Solder
Lead Products, Inc. (wire, bar and cakes and babbits) Manchester

Wells
Church Co., The Stephen B. Seymour
Wheel Dressers—Diamonds
Russell, Inc., R. R. Newington

Wicks
Auburn Mfg. Co., The (felt, asbestos) Middletown
Holyoke Heater Corp. of Conn., Inc. Hartford

Window & Door Guards
Hartford Wire Works Co., The Hartford
Smith Co., The John P. New Haven

Wire
American Brass Co., The Waterbury
Atlantic Wire Co., The (steel) Branford
Bartlett Hair Spring Wire Co., The North Haven
Bristol Brass Corp., The (brass & bronze) Bristol
Driscoll Wire Co., The (steel) Shelton
Hudson Wire Co., Winsted Div. (insulated & enameled magnet) Winsted
Platt Bros. & Co., The (zinc and zinc alloy wires) Waterbury
Scovill Mfg. Co. (Brass, Bronze and Nickel Silver) Waterbury
Viking Wire Co., Inc. (enameled magnet) Danbury

Wire and Cable
Continental Wire Corp. (for industrial and military applications) Wallingford
General Electric Company (for residential, commercial and industrial applications) Bridgeport

Rockbestos Wire & Cable Co. Div. Cerro de Pasco Corp. (all asbestos, mining, shipboard and appliance applications) New Haven (Advt.)

Wire Arches & Trellises
Hartford Wire Works Co., The Hartford

Wire Baskets
Rolock, Inc. Fairfield
Wire Mfg. Inc. (Industrial, for acid, heat, treating and degreasing) Bridgeport

Wire & Cable—High Temperature
Lewis Engineering Co., The Naugatuck

Wire Cloth
Hartford Wire Works Co., The Hartford
C. O. Jelliff Mfg. Co., The (all metals, all meshes) Southport
McCluskey Wire Co., Inc. (Fourdriner) New Haven
Pequot Wire Cloth Co., Inc. (Industrial grades only) Norwalk
Rolock, Inc. (alloy) Fairfield
Smith Co., The John P. New Haven

Wire Dipping Baskets
Hartford Wire Works Co., The Hartford
John P. Smith Co., The New Haven

Wire Forming Machinery
Nilson Machine Co., The A. H. Shelton
Torrington Mfg. Co., The Torrington

Wire Formings
Master Engineering Co. West Cheshire
North & Judd Mfg. Co. New Britain
Oakville Co. Div. Scovill Mfg. Co. Oakville
Peck Spring Co. Plainville
Turner & Seymour Mfg. Co., The ? ? ?

Wire Forms

Atlantic Precision Spring Co. Forestville
Banner Spring Corp. Hartford
Barnes Co., The Wallace Div. Associated Spring Corp. Bristol
Bristol Spring Mfg. Co. Plainville
Colonial Spring Corporation, The Hartford
Connecticut Spring Corp. The Hartford
Foursome Manufacturing Co. Bristol
Gemco Mfg. Co., Inc. Southington
Stanley Humason, Inc. West Haven
New England Spring Mfg. Co. Unionville
Peck Spring Co. Plainville
Templeman Co., D. R. Plainville
Terryville Mfg. Co. Terryville
Wire Form, Inc. Milldale

Wire Goods

American Buckle Co., The (overall trimmings) West Haven
Scovill Mfg. Co. (to order) Waterbury

Wire Partitions

Hartford Wire Works Co., The Hartford
John P. Smith Co., The New Haven
Torrington

Wire Products

Artistic Wire Products, Inc. Taftsville
Stanley Humason, Inc. Forestville
Peck Spring Co. Plainville
J. C. Products, Inc. Higganum

Wire Reels

Nilson Machine Co., The A. H. Shelton
Shuster Wire Machine Div. Mettler Machine Tool, Inc. New Haven
Waterbury Farrel Foundry & Machine Co., The, Div. of Textron, Inc. Waterbury

Wire Rings

American Buckle Co., The (pan handles and tinner's trimmings) West Haven
Stanley Humason, Inc. Forestville
Peck Spring Co. Plainville
Templeman Co., D. R. Plainville

Wire—Specialties

Andrew B. Hendryx Co., The New Haven

Wire Springs

Carlson Spring Co. (Torsion, Compression, Extension) Berlin

Wire Straightening & Cutting Machinery
Shuster Wire Machine Div. Mettler Machine Tool, Inc. New Haven

Wiring Devices

Harvey Hubbell, Inc. Bridgeport

Wood Scrapers

Fletcher-Terry Co., The Forestville

Woodwork

C. H. Dresser & Sons, Inc. (Mfg. all kinds of woodwork) Hartford
Hartford Builders Finish Co. Hartford

Woven Felts—Wool

Chas. W. House & Sons, Inc. (Mills & Cutting Plant) Unionville

X-ray—Industrial

Bridgeport Testing Laboratory, Inc. Bridgeport

Yarns

Aldon Spinning Mills Corp., The (fine-woolen and specialty) Talcoteville
Ensign-Bickford Co., The (jute-carpet) Simsbury

Zinc

Platt Bros. & Co. (The ribbon, strip and wire) P. O. Box 1030 Waterbury

Zinc Castings

Mosman Co., Charles H. Westbrook
Newton-New Haven Co., Inc. West Haven

Zinc Die Castings

Mt. Vernon Die Castings Corp. Stamford
Peasley Products, Inc. Stratford
Stewart Die Casting Div. Stewart-Warner Corp. Bridgeport

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How Would You Decide?

(Continued from Page 35)

company rule applied universally throughout the plant. Further, the grievant's absence caused no disruption of work schedules. It requested that the grievant be reimbursed for loss of earnings.

Are employee absences a legitimate concern of an employer?

The arbitrator held that employers have the right to seek the causes of absences where it appears necessary to deter unjustifiable absences and as a preventive measure, or to determine whether, after an absence, disciplinary action should be taken. A refusal by an employee to comply with a request for a reason will subject the employee to disciplinary action. In the present instance, the grievant's attitude was not compatible with his obligation to the company. Instead, he acted in direct defiance of the warning and risked the disciplinary action which followed. The arbitrator further stated that there was no necessity for establishing a uniform rule, provided the company was not discriminatory in requiring excuses for absences.

STATEMENT OF THE OWNERSHIP, MANAGEMENT, CIRCULATION, REQUIRED BY THE ACT OF CONGRESS OF AUGUST 24, 1912, AS AMENDED BY THE ACTS OF MARCH 3, 1933, JULY 2, 1946 AND JUNE 11, 1960 (74 STAT. 208) OF CONNECTICUT INDUSTRY, PUBLISHED MONTHLY AT HARTFORD, CONN., OCTOBER 1, 1960.

STATE OF CONNECTICUT COUNTY OF HARTFORD

Before me, a Commissioner of the Superior Court, in and for the State and County aforesaid, personally appeared L. M. Bingham, who, having been duly sworn according to law, deposes and says that he is the Editor of the CONNECTICUT INDUSTRY and that the following is, to the best of his knowledge and belief, a true statement of the ownership, management, etc., of the aforesaid publication, for the date shown in the above caption, required by the Act of August 24, 1912, embodied in Section 233, Postal Laws and Regulations, printed on the reverse of this form to wit:

1. The names and addresses of the publisher, editor, managing editor, and business managers are:

Editor, L. M. BINGHAM
Publisher, MANUFACTURERS' ASSOC. OF CONN.
Address: 928 Farmington Ave., West Hartford, Conn.

2. That the owner is the Manufacturers' Association of Connecticut, a non-profit corporation.

3. The known bondholders, mortgagees, and other security holders owning or holding 1 percent or more of total amount of bonds, per cent, or other securities are: None.

4. Paragraphs 2 and 3 include, in cases where the stockholder or security holder appears upon the books of the company as trustee or in any other fiduciary relation, the name of the person or corporation for whom such trustee is acting; also the statements in the two paragraphs show the affiant's full knowledge and belief as to the circumstances and conditions under which stockholders and security holders who do not appear upon the books of the company as trustees, hold stock and securities in a capacity other than that of a bona fide owner.

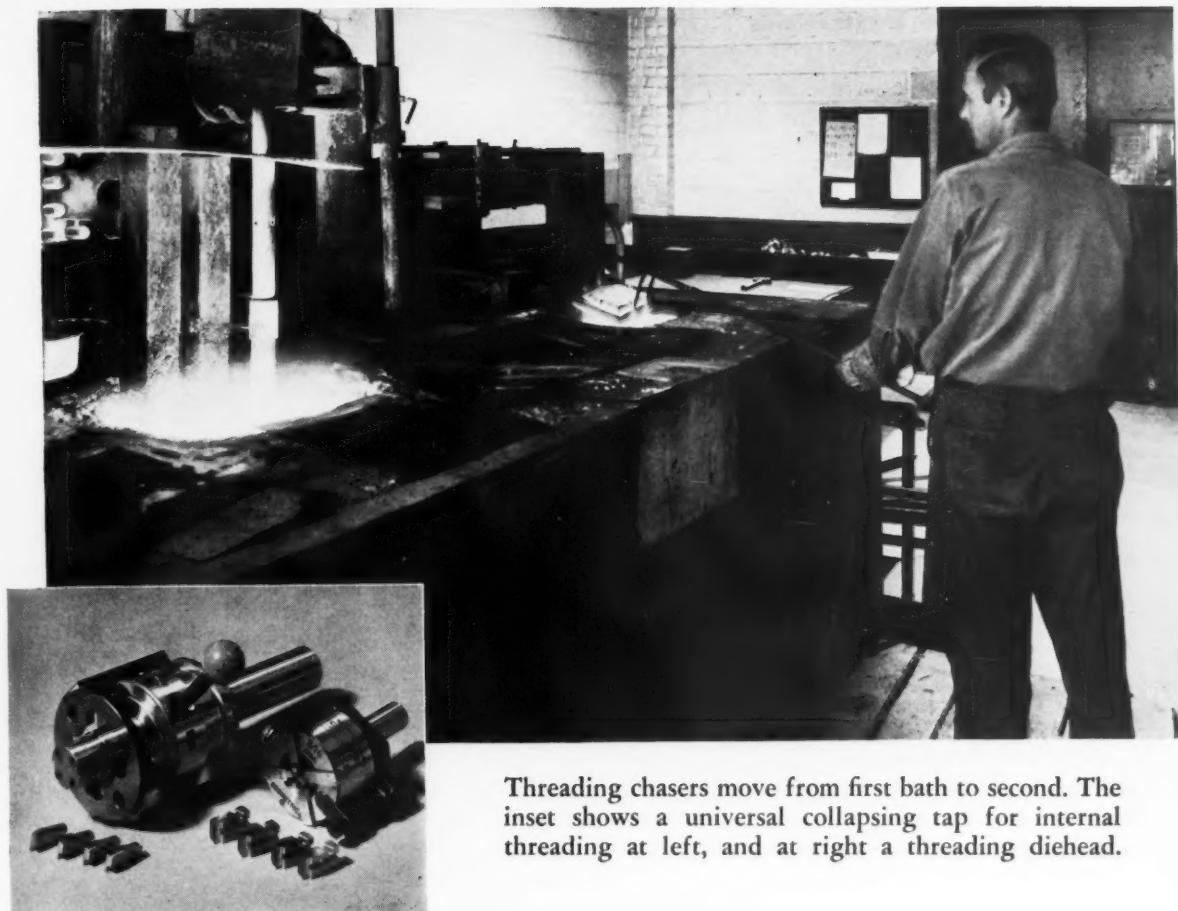
5. The average number of copies of each issue of this publication sold or distributed through the mails or otherwise, to paid subscribers during the 12 months preceding the date shown was: 3,300.

L. M. BINGHAM,
Editor.
Sworn to and subscribed before me this 16th day of September, 1960.

FREDRICK H. WATERHOUSE
Commissioner of Superior Court.

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Threading chasers move from first bath to second. The inset shows a universal collapsing tap for internal threading at left, and at right a threading diehead.

Connecticut Manufacturer Prefers ELECTRIC PROCESS HEATING

For 5 years the Geometric Tool Division, United-Greenfield Corp., New Haven, has used electric process heating to harden tool parts already machined.

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